Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

AUGUST BUILDING RETURNS

The contemplated building operations in eight cities on the Pacific Coast from plans filed in August amounted to $5,467,005, compared with $9,111,144 in August, 1913, or a falling off of 40%. There was only a decrease of 14% in the first eight months of this year, compared with the figures of last year. The aggregate for eight months of 1914 was $61,-142,030, and for 1913, $71,109,444.

PACIFIC COAST STATES

	Aug. 1914	Aug. 1913	First 1914	8 Mos. of Yr 1913
Los Angeles, Calif.	$1,285,597	$3,501,593	$13,174,868	$23,834,597
Oakland, Calif.	411,889	1,265,053	3,281,059	6,393,184
Portland, Ore.	409,390	1,168,245	5,461,051	9,419,945
Spokane, Wash.	31,455	110,929	806,752	2,467,518
San Diego, Calif.	208,408	716,481	2,574,646	5,232,213
San Francisco, Calif.	1,415,271	1,613,881	24,161,483	14,544,936
Seattle, Wash.	1,565,525	582,425	9,969,970	7,216,515
Tacoma, Wash.	139,460	152,537	1,712,207	2,000,536
Totals	$5,467,005	$9,111,144	$61,142,036	$71,109,444
	Loss	40%	Loss 14%	

RAILWAYS

New Jersey—Philadelphia & Reading Ry.—This company has completed surveys for eliminating the grade crossings at Willow, Calhoun, Marion and Prospect Sts., in Trenton, N. J. William Hunter, Philadelphia, Penn., is Ch. Engr.

West Virginia—The construction of a railroad from Holling Junction to Webster Springs, W. Va., is contemplated by the Baltimore & Ohio R.R. and the West Virginia Midland Ry. This line will connect with a line being built by the West Virginia Pulp & Paper Co.

Florida—South Florida & Gulf Ry.—This company plans to resume work at once on its proposed extension from Kenansville, Fla., to Bassenger, Fla., 35 miles.

Tennessee—Jellico Coal & R.R. Co.—This company has been organized for the purpose of constructing a railroad from a point near Pine Knot, Tenn., to Jellico, Tenn., 18 miles. D. C. Barker, Jellico, Tenn., is Consult. Engr. Noted Aug. 20.

Ohio—Pennsylvania R.R.—This company contemplates the construction of a three-mile branch to South Massillon, Ohio, to connect with the Fort Wayne line. Alexander C. Shand, Philadelphia, Penn., is Ch. Engr.

Indiana—Pennsylvania R.R.—Surveys are being made by this company to secure easier grades for its line to Madison, Ind. A. C. Shand, Philadelphia, Penn., is Ch. Engr.

North Dakota—Northern Pacific Ry.—This company, it is reported, has started work on its proposed line from Beach, N D., to Baker, Mont. Noted Aug. 13.

Montana—Northern Pacific Ry.—See item under North Dakota.

Arkansas—Cache Valley R.R.—This company plans to construct an extension from Light, Ark., to Paragould, Ark., about 12 miles. A. D. Goldman, 112 South Main St., St. Louis, Mo., is Pres.

Texas—San Antonio, Uvalde & Gulf R.R.—This company will rebuild its tracks between Corpus Christi, Tex., and Odem, Tex., 17 miles, recently damaged by floods. E. R. Breaker, San Antonio, Tex., is Ch. Engr.

Texas—Delta Land & Lumber Co.—Preliminary arrangements are being made by this company for the construction of a 15-mile railroad from Conroe, Tex., to the timber lands. I. H. Fetty, Kansas City, Mo., is interested. Noted Aug. 27.

Houston & Texas Central R.R.—This company has secured about 100 acres of land in Texas and will improve and enlarge its yard facilities. F. M. Thomson, Ennis, Tex., is Asst. Engr.

✚**Texas**—Van Horn Valley Land & Ry. Co.—This company has awarded the contract for constructing a railroad from Van Horn, Tex., north to a point in New Mexico, to E. G. BEECHER and F. J. CUMMING. The line will be 80 miles long.

Idaho—Western Pacific Ry.—Plans are being prepared by this company for an expenditure of $10,000,000 for the construction of feeders. The company will make the construction of the Winnemucca Northern R.R. the first of its improvements. T. J. Wyche, San Francisco, Calif., is Ch. Engr.

Arizona—Magna Copper Co.—(Official)—This company contemplates the construction of about 30 miles of 36-in. gauge railroad from Superior to Webster, Ariz. W. C. Browning, Superior, Ariz., is Mgr. of the company. E. G. Dentzer is Asst. Ch. Engr.

✚**Oregon**—Sutherlin, Coos Bay & Eastern R.R.—This company has awarded a contract to McALLISTER & SON CONSTRUCTION CO., Portland, for constructing the first 28 miles of its line to Coos Bay, Ore. Noted July 23.

California—Atchison, Topeka & Santa Fé Ry. Co.—Plans are being prepared by this company for the construction of a single railroad spur track over certain streets in Upland, Calif. G. W. Harris, Los Angeles, Calif., is Ch. Engr.

✚**Quebec**—The Commissioners of the Transcontinental Ry. have awarded a contract to CAVICCHI & PAGANO for constructing a Y track at Cap Rouge, Que. and for completing the St. Malo line. Bids were received Aug. 4. Noted July 30.

ELECTRIC RAILWAYS

Skowhegan, Maine—According to press reports plans are being considered for the construction of an electric railway from Skowhegan to Shawmut.

Gardner, Mass.—The Northern Massachusetts Street Ry. Co. is preparing plans for the construction of an electric railway on Pleasant and Willow St. in Gardner. M. H. Merrill, Boston, is Pur. Agt.

Methuen, Mass.—The Massachusetts Northeastern Street Ry. Co. has applied to the City Council for a franchise to relocate its tracks on Jackson St. Clinton L. Bartlett, Haverhill, is Pur. Agt.

Willimansett, Mass.—The Holyoke Street Ry. Co. plans to double-track and extend its line in Willimansett. Louis D. Pellissier, Holyoke, is Vice-Pres., Gen. Mgr. and Pur. Agt.

Danville, Va.—The Danville Traction & Power Co. will extend its line on Lee St. from its present terminus to the railroad station on Craighead St. N. W. Berkeley, Danville, is Gen. Supt. and Pur. Agt.

Hamlin, W. Va.—The Hamlin & Guyandotte R.R. Co. has been incorporated to construct and operate an electric railway from Hamlin to West Hamlin, about five miles. L. R. Sweetland and A. F. Morris, Hamlin, are among the incorporators.

Morgantown, W. Va.—The Monongahela Traction Co. has secured the right-of-way for the construction of an electric railway from Riverville to Morgantown, W. Va. James O. Watson, Fairmount, is Gen. Mgr.

Clearwater, Fla.—A franchise has been granted to Charles H. Evans, and associates to construct and operate an electric railway in Clearwater.

Jacksonville, Fla.—Plans are being prepared by the Jacksonville Traction Co. for the construction of a second track on Hogan St. from Eagle to Cedar St. Hardy Croom, Jacksonville, is Local Mgr. and Pur. Agt.

Shreveport, La.—According to press reports, the Northern Louisiana Interurban Ry. Co. has awarded the contract for constructing its line from Shreveport to Monroe.

Nashvile, Tenn.—According to press reports H. H. Mayberry and associates are interested in the construction of an electric interurban railway from Nashville to Springfield and thence into Kentucky.

Hopkinsville, Ky.—Preliminary arrangements are being made by R. E. Cooper, Hopkinsville, for the construction of an electric railway in Hopkinsville. Noted Sept. 3.

Ashtabula, Ohio—The East Village & Harbor Traction Co. has been incorporated to construct an electric railway from Ashtabula to Ashtabula Harbor. Mark Copeland and W. S. Mitchell, Ashtabula, are interested.

Murphysboro, Ill.—Preliminary arrangements are being made by the Murphysboro & Southern Illinois Ry. Co. for the construction of its proposed electric railway from Murphysboro to Carbondale, about eight miles.

Hutchinson, Kan.—The Hutchinson & Northern Ry. Co. contemplates the construction of an electric railway from Hutchinson to Burrton and probably to Halstead, where a connection with the lines to Wichita will be made. George Theis, Jr., is Pres.

Red Lodge, Mont.—The Carbon & Stillwater Electric Ry. Co. is making preliminary arrangements for the construction of an electric railway from Red Lodge to Columbus, Mont., about 40 miles. William Larkin, Red Lodge, is interested.

Castroville, Tex.—Preliminary arrangements are being made for the construction of an electric interurban railway from Castroville to San Antonio and Medina Lake.

Fort Worth, Tex.—Plans are being considered by the Northern Texas Traction Co. for the construction of a one-mile extension to its line on Summit Ave. G. H. Clifford, Fort Worth, is Pres. and Mgr.

Greenville, Tex.—The charter of the Greenville, Whitewright & Northern Traction Co. has been amended and the name of the company changed to the Greenville Northwestern Ry. The route of the proposed electric railway has also been changed and will run from Greenville to Merit.

Salt Lake City, Utah—The City Council has granted a franchise to the Utah Light & Ry. Co. to extend its line from its terminus at Thirteenth St. East and Fifth St. South to connect with its line at Thirteenth St. East and Seventh St. South in Salt Lake City. Joseph S. Wells, Salt Lake City, is Gen. Mgr.

Los Angeles, Calif.—The Los Angeles Ry. Co. has secured the right-of-way for its line through Schuetzen Park and plans to start work soon on the construction. C. A. Henderson, Los Angeles, is Gen. Mgr. and Pur. Agt.

The Board of Harbor Commissioners has been granted permission to construct an electric railway from a point on the

Pacific Electric railway along Seventh St. to the intersection of McFarland St. with the northerly line of Tide Land Location No. 153.

St. Johns, N. B.—Plans are being considered by the St. Johns Ry. Co. for the extension of its line through the Glen Falls section. H. M. Hopper, St. Johns, is Gen. Mgr. and Pur. Agt.

Hull, Que.—Preliminary plans are being prepared by the Hull Electric Ry. Co. for the improvement of its lines in Hull. G. Gordon Gale, Hull, is Gen. Supt.

Three Rivers, Que.—The Three Rivers Traction Co. has applied to the City Council for a franchise to construct and operate an electric railway in Three Rivers.

Bridgeport, Ont.—The Berlin & Northern Ry. Co. plans the extension of its line from Bridgeport to Bloomingdale. J. S. Anthes, Berlin, is Vice-Pres.

London, Ont.—The London & Lake Erie Ry. Co. contemplates the extension of its electric railway from London to Stratford. W. N. Warburton, London, is Gen. Mgr. and Pur. Agt.

Vancouver, B. C.—Plans are being considered by the British Columbia Electric Ry. Co., for the extension of its lines on 55th Ave. from Victor to Kerr Road. George Kidd, Vancouver, is Gen. Mgr.

LIGHT, HEAT AND POWER

West Pownal, Maine—Bids will be received until noon, Sept. 18, by Dr. Carl J. Hedin, Supt. of Maine School for Feeble-Minded, for the construction of a power plant and transmission line. Arthur B. Fels, 60 Union St., Portland, Maine, is Engr.-in-Charge.

Greensboro, Vt.—Plans have been prepared for a 200-hp. development in Greensboro to costabout $20,000. The plant will supply electricity to the villages of Greensboro, East Hardwick, Craftsbury and Mill Village. M. L. Sanders, White River Junction, is Engr. in Charge.

Chelsea, Mass.—The East Boston Gas Co. has obtained a permit for the construction of a concrete gas tank on Auburn St., to cost about $60,000.

✚Norfolk, Mass.—The contract for the construction of a power house at the State Hospital has been awarded to A. H. SMITH, Walpole, Mass., at $12,000. It will be of brick, one story, 51x75 ft. Irwin F. Neff is Engr.-in-Charge. Kendall, Taylor & Co., 93 Federal St., Boston, prepared the plans.

Albany, N. Y.—The Municipal Gas Co. is having plans prepared by Thomas H. Murray, of the New York Edison Co., Irving Place and 15th St., New York, N. Y., for a two-story power house, 140x170 ft. Alexander Hamilton is Gen. Mgr.

See item under "Miscellaneous": Barge Canal Work—Albany, N. Y.

Albany, N. Y.—The Trustees of Public Buildings opened the following bids on Sept. 10: Heating and ventilating apparatus in finishing rooms on the fifth floor of the State Capitol Building; W. B. Armstrong Co., Albany, $19,858; E. Joy Co., Syracuse, $20,646. Electric wiring and fixtures for the same: Finch & Hahn, Albany, $1717; Edward Joy Co., $1972; New York Construction Co., New York, N. Y., $1918. Plumbing for the same rooms: T. A. O'Malley, Albany, $1327; A. J. Eckert, Albany, $1425. Bids for finishing the rooms were received from: The P. Keeler Building Co., Albany, $43,270; Callahan & Prescott, Keeseville, $45,260; the Feeney & Sheehan Building Co., Albany, $34,716. Noted Sept. 3.

✚Great Bend, N. Y.—Taggart's Paper Co., Watertown, N. Y., has awarded the contract for the construction of a concrete dam, 400 ft. long, across the Black River at Great Bend, to the STEWART ENGINEERING CO., 17 Battery Place, New York, N. Y. The work will include the construction of fore bay walls, sluice gates and improvements to the power house. J. M. Baldwin, Watertown, is Ch. Engr.

✚Ithaca, N. Y.—The Ithaca Traction Corporation has awarded the contract for the construction of a brick and steel addition, and alterations to its power house to FREDERICK T. LEY & CO., Springfield, Mass., at about $30,000. Ford, Bacon & Davis, 115 Broadway, New York, N. Y., are Engrs.-in-Charge.

✚Waterloo, N. Y.—The Tracy Development Co., Waterloo, which has acquired most of the water rights along the Seneca River, has awarded a contract for the construction of a building for a power plant to the LOCKER CONSTRUCTION CO., at $98,540. This contract is exclusive of equipment.

✚Newark, N. J.—The Board of Chosen Freeholders of Essex County has awarded the contract for a new boiler and equipment at the Overbrook Hospital to DAVID C. SEYMOUR, Newark, at $13,198. Other bidders were: Storms & Co., Newark, $13,333; Ralph B. Schmidt, Newark, $14,321.

✚Harrisburg, Penn.—The State Health Department, Harrisburg, has awarded the contract for the construction of two power plant buildings, 37x60 ft. and 28x100 ft., respectively, for the State Hospital, to the EAST END LUMBER CO., Shamokin, Penn., at about $15,000.

Lewistown, Penn.—The Municipal Council is considering the establishmentof a municipal electric light plant in Lewistown, at an estimated cost of $70,000. The matter will be submitted to the voters at the November election.

Shamokin, Penn.—The Pennsylvania Lighting Co., Shamokin, expects to construct, within the next three months, about six miles of single-phase 2300-volt transmission line. J. A. Britton is Gen. Mgr. and Cont. Agt.

✚Towson, Md.—The contract for the mechanical equipment for the dormitory and power house of the Maryland State Normal School, consisting of 600-hp. water-tube boilers, ice machines, pumps, ventilating system, etc., was awarded to RIGGS, DISTLER & STRINGER, 23 Light St., Baltimore.

★Washington, D. C.—(Official)—Bids will be received until noon, Sept. 26, by Elliott Woods, Supt. U. S. Capitol Building and Grounds, for installing in the Columbia Hospital for Women, vacuum cleaning equipment, sterilizing equipment, refrigerators, kitchen and laundry equipment. See advertisement under "Contracts To Be Let."

✚Richmond, Va.—The city has awarded the contract for three purifiers for the municipal gas plant to the STACEY MFG. CO., Elmwood, Cincinnati, Ohio, at $16,000.

Cameron, W. Va.—J. H. Peabody and P. R. Fagan have made application for a franchise to build and operate an electric light plant.

Logan, W. Va.—The Logan County Light & Power Co., Logan, will build a new power building, of brick and steel, 84x100 ft. The equipment will include four 500-hp. boilers, two 2500-kw. turbines, pumps, condensers, etc. The company also plans to build 75 miles of transmission line to supply power to the Loganfield coal mines.

Walterboro, S. C.—An election will be held Oct. 8 to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for the establishment of a municipal electric light plant.

Fort Meade, Fla.—At an election held Aug. 21, the citizens voted in favor of a bond issue of $25,000 for the construction of a municipal electric light system. Noted Aug. 13.

Shreveport, La.—The Reserve Natural Gas Co. has been organized at Shreveport with a capital stock of $3,000,000. M. W. Bahan, Fort Worth, Tex., is Pres. The company is considering plans for the construction of a pipe line from the De Soto fields to Shreveport, a distance of 54 miles.

Beattyville, Ky.—The Beattyville Utilities Co. is in the market for equipment for a lighting plant, including a 150-hp. boiler, 100-hp. engine, 100-kw. generator, 2300-volt alternator, and a switchboard. H. S. Van Zant is Pres.

Cleveland, Ohio—The Cleveland Seating Co. is having plans prepared by Briggs & Melson, 669 Rose Bldg., Cleveland, for the construction of a power house. D. A. Grubb, 550 Rose Bldg., is Gen. Mgr.

Madison, Ind.—The Public Service Commission has granted permission to the Madison Light & Ry. Co. to issue $25,000 in bonds for extending and improving its system, to include new boilers, an engine and generator and extensions to its local lines. The company is now building a transmission line to Hanover to supply energy to the Hanover Light Co.

Rock Falls, Ill.—The Public Service Commission has granted permission to the Illinois Northern Utilities Co., Dixon, to purchase the electric plant and franchise of the Northwestern Barb Wire Co., at Rock Falls.

Aurora, Minn.—It is reported that the Town Council is considering the establishment of a municipal electric-light plant.

Kansas City, Kan.—At a recent election the citizens voted in favor of a bond issue of $450,000 for enlarging and improving the municipal electric-light plant. It is reported that bids will soon be asked for new boilers, a 3000-kw. turbine, coal- and ash-handling machinery, superheaters, steam and water piping, at an estimated total cost of $200,000.

Alexandria, S. D.—(Official)—Bids will be received until 8 p.m., Oct. 5, by H. M. Schumacher, City Audr., for the installation of a complete electric lighting system. K. S. Putnam, Huron, S. D., is Consult. Engr.

Sidney, Mont.—The Glendive Heat, Light & Power Co., Glendive, Mont., has made application to the City Council for a franchise to install and operate an electric light system in Sidney.

✚Glasgow, Mo.—A contract for the construction of a transmission line from Glasgow to Armstrong, Mo., has been awarded to F. H. WHEELER, Omaha, Neb., at $5626. Tuttle & Pike, Consult. Engrs., Kansas City, Mo.

Zapata, Tex.—W. A. Jennings has brought in a natural gas well, having a daily output of 15,000,000 cu.ft., on his ranch near this place. It is planned to pipe the gas to the towns of this section.

Goodwell, Okla.—See item under "Water Supply and Irrigation."

Pondcreek, Okla.—The City Council has passed an ordinance authorizing the issue of $7000 in bonds for the improvement of the electric light plant and water works system. F. J. Gentry is Mayor.

Cathlamet, Wash.—The City Council has taken preliminary steps toward installation of a municipal electric light plant. The estimated cost of the first unit is $4200, to be operated by a distillate engine, but the waters of the Elocaman River, about 10 miles distant, will be utilized eventually. Noted Sept. 3.

Puyallup, Wash.—The Mutual Electric Light & Power Co., recently incorporated with a capital stock of $25,000, has been granted a franchise by the Commissioners of Pierce County to construct transmission lines between Puyallup and Tacoma to supply the farmers along the route with electricity.

Seattle, Wash.—The Board of Commissioners of King County has granted a 38-year franchise to the municipal electric light and power plant for the construction and maintenance of a transmission line from Bryn Mawr to Renton.

Redwood City, Calif.—The Pacific Gas & Electric Co., San Francisco, will build a gas storage plant at Redwood City. E. W. Florence is Dist. Mgr.

San Francisco, Calif.—The Pacific Gas & Electric Co. has taken out a permit for the construction of a one-story power station, to cost $30,000, on Eighth St.

Ukiah, Calif.—It is reported that the Snow Mountain Water & Power Co. plans to reconstruct its entire plant. W. S. Graham is Mgr.

Comber, Ont.—The Town Council has passed a bylaw authorizing the construction of a new hydro-electric plant. The engineer has not yet been selected, but plans will be prepared, and bids will be called for as soon as possible.

Merrickville, Ont.—The ratepayers of Merrickville have passed a bylaw authorizing the loan of $30,000 to the Merrickville Electric Light & Power Co. to be used for the construction of an electric power plant. D. J. Hall is Clk.

Peterboro, Ont.—The Hydro Electric Commission plans to improve and extend the hydro-electric system at a cost of about $100,000. Work will soon be begun.

BRIDGES

Charlotte, N. Y.—It is reported that all bids received Aug. 6 for the construction of a bridge over the Genesee River at Charlotte have been rejected, and that new bids will be received by the Monroe County Building Commission, Rochester, until Oct. 1. The estimated cost is $230,000. Frederick S. Couchman is Chn. of the Comn. List of bids noted Aug. 13.

✚Lestershire, N. Y.—The Town Board has awarded the contract for the construction of a bridge over Choconut Creek at West Main St. to the OWEGO CONCRETE CO., Owego, at $4437. There were three other bidders. J. J. Fenderson is Town Supt. Noted July 23.

★Norwich, N. Y.—(Official)—Bids were rejected on Aug. 19 for the second time for the construction of a reinforced-concrete bridge over Chasawacta Creek. The Town Board has not yet decided whether or not to advertise again for bids. C. E. Harris is Town Engr. W. D. Tillman is Town Clk. Noted July 30 and Aug. 13.

✚Yonkers, N. Y.—(Official)—The Board of Contract and Supply has awarded the contract for the construction of a reinforced concrete bridge at Dewitt Ave. to NICHOLAS FAGNINI, Tuckahoe, N. Y., at $8990. Other bidders were: The O'Rourke Contracting Co., $9375; Casey, McLain & Newlands, $9800; Young & Hyde, Inc., $10,620; M. J. Nolan, $11,077. Noted Aug. 13.

Blairstown, N. J.—Bids will be received until Sept. 18 by the Board of Chosen Freeholders of Warren County, Belvidere, for the construction of a reinforced concrete bridge over Paulins Kill, Blairstown. F. W. Salmon, Blairstown, is County Engr.

New Brunswick, N. J.—Bids will be received until Sept. 21 by the Board of Chosen Freeholders of Middlesex County for the construction of a reinforced concrete culvert over a branch of Matchaponix Brook, Matchaponix, and for repairs to Bridge No. 47 on the Perth Amboy-Bound Brook Turnpike, Woodbridge. Alvin B. Fox, Perth Amboy, is County Engr.

Trenton, N. J.—The Board of Chosen Freeholders of Mercer County has had plans prepared for the construction of a bridge over Sanhican Creek at Lee Ave. Theodore Toblish is County Engr.

Trenton, N. J.—The lowest bid submitted to the Board of Chosen Freeholders of Mercer County for the construction of a 180-ft. reinforced concrete bridge over Stoney Brook, Trenton, was that of N. K. Bugbee, 206 East Hanover St., Trenton.

Ellwood City, Penn.—(Official)—Bids will be received until Oct. 8, by the Board of Commissioners of Lawrence County for the construction of a bridge at Ellwood City. It will be of steel, 645 ft. long, with a concrete arch of 35-ft. span at each end, with retaining walls at approaches. The roadway will be 32 ft. wide, with a 7-ft. sidewalk on each side. The roadway floor will be of reinforced concrete and wood block. Thomas A. Gilkey is County Engr. Noted Sept. 3.

✚Pittsburgh, Penn.—The Department of Public Works has awarded the contract for the construction of approaches to the Bloomfield Bridge to M. O'HERRON & CO., Pittsburgh, at $19,879.

✚Baltimore, Md.—The Pennsylvania R.R. Co. has awarded the contract for the construction of a reinforced-concrete viaduct at Eager St. and Fallsway to the BROWN-KING CONSTRUCTION CO., Harrison Bldg., Philadelphia. Noted Aug. 20.

Baltimore, Md.—See item under Miscellaneous: Excavation and Filling—Baltimore, Md.

✚Ellicott City, Md.—The State Roads Commission, Baltimore, has awarded the contract for the construction of a reinforced-concrete bridge over the Patapsco River at Ellicott City to THOMAS, POOLE & HUNTER, Westminster, Md., at $8177. Noted Aug. 20.

Lawrenceville, Va.—(Official)—Bids will be received until 10 a.m., Sept. 28, by the Clerk of the Circuit Court of Brunswick County for the construction of three bridges: One, 54 ft. long over Sturgeon Creek, a 36-ft. span over Sandy Creek, and a 36-ft. bridge over Rose Creek. G. P. Coleman, Richmond, Va., is State Highway Comr. The Childrey Co., Richmond, is Engr.-in-Charge.

Moorefield, W. Va.—(Official)—Bids will be received until 10 a.m., Sept. 25, by the County Court of Hardy County for the construction of a bridge 135 ft. long with a 12-ft. roadway, over the Lost River above Miller's Ford. Alternate bids will be accepted for a steel superstructure with concrete abutments, or for a reinforced concrete arch. C. B. Welton is Clk. of the Court.

Clarkesville, Ga.—Habersham County plans the construction of several steel bridges, the largest of which will be over the Chattahoochee River. James A. Robertson is County Judge.

Chattanooga, Tenn.—(Official)—Bids will be received until 10 a.m., Oct. 22, by the Tennessee River Bridge Committee for the construction of a bridge over the Tennessee River at Market St., Chattanooga. The bridge will be about 2050 ft. long and 50 ft. wide, and will consist of: Nine reinforced concrete girder spans of 40 ft. each; two reinforced concrete arches of 165 ft. each; four reinforced concrete arches of 180 ft. each, and one 300-ft. steel span, Scherzer rolling lift double-leaf bascule type. The estimated cost is $500,000. B. H. Davis, Whitehall Bldg., New York, N. Y., is Consult. Engr. Theodore F. King is Chn. and L. B. Bryan is Secy. of the Bridge Com. Noted Oct. 2 and Dec. 18, 1913; Jan. 8, Jan. 22, Mar. 5, Apr. 16 and Sept. 3, 1914.

Harrodsburg, Ky.—It is reported that the town plans to build a concrete bridge over the creek at North Main St.

Ludlow, Ky.—The City Council has had plans prepared for a new concrete viaduct on Elm St. over the tracks of the Cincinnati, New Orleans & Texas Pacific Ry., replacing the present structure. The estimated cost is $18,000. It is reported that the question of a bond issue sufficient to pay for its construction will be submitted to the voters at the November election.

Canton, Ohio—(Official)—Bids will be received until 10 a.m., Sept. 25, by the Board of Commissioners of Stark County for the construction of the Levi Fultmore Bridge over the Hess Ditch, Perry Township. C. L. Stoner is Clk of the Comrs.

Cincinnati, Ohio—(Official)—The Director of Public Service has awarded the contract for the construction of a reinforced-concrete bridge on Roll Road at West Fork to RUNCK BROS., Cincinnati, at $6845. Noted Aug. 20.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Oct. 2, by the Board of County Commissioners for the construction of a concrete bridge over Millcreek on Wayne Ave., Springfield Township. Albert Reinhardt is Clk. of Comrs. Noted Sept. 10.

(Official)—Bids will be received until noon, Oct. 2, by the Board of Commissioners of Hamilton County for repairing the bridge over Sycamore Creek near Perin's place, Symmes Township. Fred E. Wesselman is Pres. Bd. of Comrs.

✚Hamilton, Ohio—The Board of Commissioners of Butler County has awarded a contract for steel sheathing on the piers of the new High St. Bridge to the A. J. YAWGER CO., Indianapolis, Ind., at about $10,000. This award is in addition to the original contract.

Jefferson, Ohio—(Official)—Bids will be received until 1 p.m., Sept. 21, by the Board of Commissioners of Ashtabula County for the extension of a concrete arch over Hubbard Run, Ashtabula and Plymouth Townships. A. V. Hillyer is Clk. of the Bd.

✚Massillon, Ohio—(Official)—The following bids were received Sept. 9 by the Board of Commissioners of Stark County for the construction of the South Erie St. Viaduct, Massillon. Bidders on the superstructure were: E. J. Landor, Canton, Ohio, $16,474; Central Concrete & Construction Co., Canton, $18,253; Massillon Bridge & Structural Co., Massillon, $16,474; Alliance Structural Co., Alliance, Ohio, $16,893; RIVERSIDE BRIDGE CO., Martins Ferry, Ohio, $16,422 (awarded contract.) Engineer's estimate, $18,305. The bidders for the substructure were: Fred Heisler, Massillon, $26,094; Hanneman Bros., Detroit, Mich., $25,168; T. B. Husband, Cleveland, Ohio, $25,219; Connolly-Cannon Co., Phillipsburg, N. J., $43,435; Luke & O'Brien, Canton, $25,276; Cullon-Friestedt Co., Chicago, Ill., $35,251; S. C. KISTNER & SON, Delaware, Ohio, $24,385 (awarded contract); Thomas Sheahan, Hagerstown, Md., $30,682; A. F. Wendling Co., Massillon, $31,229; L. A. Mullins & Co., Cleveland, $25,843; E. J. Landor, Canton, $29,877; Engineer's estimate, $27,893. Noted Aug. 27.

New Lexington, Ohio—Bids will be received until 10 a.m., Sept. 28, by Clyde M. Foraker, Audr. of Perry County, for the superstructure of a bridge over Jonathan Creek, Madison Township.

Ottawa, Ohio—(Official)—Bids will be received until noon, Sept. 29, by the Board of Commissioners of Putnam County for the construction of the substructure of the Riley Creek Bridge at the corner of Riley, Blanchard, Ottawa and Pleasant Townships. The substructure will consist of a stone pier of 804 cu.ft., and one concrete abutment of 2166 cu.ft., and 671 iron bars for reinforcement. John E. Roose is County Audr. J. S. Cartwright is County Surv.

Piqua, Ohio—(Official)—Bids will be received until 10 a.m., Sept. 29, by the Board of Commissioners of Miami County, Troy, for placing a creosote treated wood-block floor on the Ash St. Bridge, Piqua. Mahlon T. Staley is County Audr.

Youngstown, Ohio—(Official)—Bids will be received until 10 a.m., Sept. 30, by the Board of Commissioners of Mahoning County for rebuilding the floor of the bridge over the Mahoning River at Struthers. Frank H. Vogan is Clk. of the Comrs.

South Bend, Ind.—(Official)—Bids will be received until 11 a.m., Sept. 21, by the Board of Commissioners of St. Joseph County for the construction of two reinforced concrete culverts, and for repairing the Osceola Bridge, Penn Township. Clarence Sedgwick is County Audr.

Appleton, Wis.—All plans for the construction of a 350-ft. bridge over the Wolf River at Lawe St. are held in abeyance until spring. The estimated cost of the structure is $20,000. E. L. Williams is City Clk.

Chetek, Wis.—(Official)—Plans for the construction of a bridge at Chetek, to cost about $30,000, have not been completed, nor has any time been set for advertising for bids. M. W. Torkelson, Madison, Wis., State Bridge Engr., has charge of the work. Noted Aug. 27.

Milwaukee, Wis.—The question of a bond issue of $350,000 for the construction of a new viaduct across the Milwaukee River, replacing the present North Ave. Bridge, will be submitted to the voters at the November election. J. A. Mesiroff, City Engr., is preparing estimates of the cost of construction.

✚Elkader, Iowa—(Official)—The Board of Supervisors of Clayton County awarded contracts on Aug. 28 for bridge construction as follows: PAUL N. KINGSLEY, Strawberry Point, Iowa, $19,335; C. E. WALKER, Calamus, Iowa, $6834; A. P. SCHWEIKERT, Elkport, Iowa, $3533; C. H. WILLIAMSON, Elkader, Iowa, $2345. E. B. Tourtellot is County Engr.

★Iowa City, Iowa—All bids received on Aug. 21 for the construction of the Burlington St. Bridge were rejected, as the Board of County Supervisors was unable to dispose of the bonds to pay for its construction. The lowest bid for its construction was that of the Western Construction Co., Iowa Cly, at $54,500. Noted Aug. 6.

✚Mankato, Minn.—(Official)—The Board of Commissioners of Blue Earth County has awarded the contract for the construction of four reinforced-concrete bridges, ranging from 50 to 70 ft. long, to the WIDELL CO., Mankato, at $10,831. Noted July 30.

✚Kansas City, Kan.—The Commissioners of Wyandotte County have awarded the contract for the construction of the Southern Bridge over the Kaw River to the KANSAS CITY BRIDGE CO., Gloyd Bldg., Kansas City, Mo., at $85,750.

Columbus, Mont.—The Commissioners of Yellowstone County, Billings, are considering the construction of a 600-ft. steel bridge at Columbus. B. F. Harris is Chn. of Comrs.

Monticello, Ark.—The Commissioners of Drew County plan to construct a steel bridge about 300 ft. long, over Bayou Bartholemew. The Commissioners are also considering the construction of a bridge over the Ouachita River on the Malvern-Hot Springs Road.

Warren, Ark.—Bids will be received until Oct. 6 by T. E. Bratton and H. L. Turner, Bridge Comrs., for the construction of a steel bridge over the Saline River, four miles from Warren. The estimated cost is $8000, of which the city of Warren and Bradley County will each pay one-half.

Groveton, Tex.—The Commissioners of Road District No. 1, Trinity County, will shortly ask for bids for the construction of a 150-ft. steel bridge with concrete abutments and wood floor. Brown & Wilder, Groveton, are Engrs.-in-Charge.

✚Tunis, Tex.—The Commissioners Court of Burleson County, Caldwell, has awarded the contract for the construction of a bridge over the Old River near Tunis, to AUSTIN BROS., Dallas, Tex.

Sapulpa, Okla.—An election will be held Sept. 22 in Tiger Township, Creek County, to vote on the question of a bond issue of $27,000 for the construction of a bridge over the Cimarron River. M. E. Sanders is Pres. of the Bd. of Directors.

✚Colorado Springs, Colo.—The Commissioners of El Paso County have awarded the contract for the construction of a bridge over Kettle Creek on the Denver Road, north of Colorado Springs, to the MIDLAND CONSTRUCTION CO., Kansas City, Mo., at $5300. Noted Aug. 20.

Alpine, Idaho—It is reported that the State Bridge Commissioners have awarded the contract for the construction of a steel bridge over the Snake River at Alpine to the SECURITY BRIDGE CO., Billings, Mont., at $36,115. Noted July 23.

Hansen, Idaho—The Commissioners of Twin Falls County, Twin Falls, are considering the construction of a bridge, about 575 ft. high, and 6000 ft. long, over the Snake River just north of Hansen. The estimated cost of the structure is $50,000.

✚Buckley, Wash.—The contract for the construction of the approaches to the Buckley Bridge has been awarded to BUCKLEY & BULLIS at $4180. Note July 30, Aug. 6 and Sept. 3.

Colfax, Wash.—The Commissioners of Whitman County will soon ask for bids for the construction of steel bridges over the North Palouse River at Colfax and Elberton.

✚Ritzville, Wash.—(Official)—The Board of Commissioners of Adams County has awarded the contract for the construction of three reinforced-concrete bridges, one 100-, one 70- and one 30-ft. span, to CHARLES G. HUBER, 426 Central Bldg., Seattle, at $14,202. Other bidders were: O. H. Stratton, Spokane, $14,800; Omaha Structural Steel Co., $14,700; Illinois Steel Bridge Co. (100-ft. span), $9450. F. R. Hewett is County Const. Engr. Noted Aug. 6.

Snoqualmie, Wash.—All bids received on Aug. 17 by the Commissioners of King County, Seattle, for the construction of a bridge over Tokul Creek were rejected, and the contract will be readvertised. Noted Aug. 6 and Sept. 3.

Glendale, Calif.—The City Trustees contemplate the construction of a reinforced concrete bridge over the channel in Verdugo Cañon.

✚New Glasgow, N. S.—The Municipal Council has awarded the contract for the construction of "Potters" Bridge to PETER GRAHAM, Abercrombie St., at about $7500. It will be of reinforced concrete.

Quebec, Que.—Plans will soon be prepared for a 155-ft. concrete bridge over the Jacques Cartier River on the Montreal-Quebec Highway near Donacona Village, Que.

✚Sudbury, Ont.—The Town Council has awarded the following contracts for the construction of reinforced bridges: Durham St. Bridge, GUSTIANA & CECCHETTO, $6000; Larch St. Bridge, JOHNSON & BAIKIE, $3473; Minton St. Bridge, SHERWOOD & SHERWOOD, $4100. The contract for the Station St. Bridge has not yet been awarded. Noted Aug. 13.

Toronto, Ont.—(Official)—Bids will soon be received by James, Loudon & Hertzberg, Engrs., 205 St. James Chambers, Toronto, for the construction of a concrete bridge to cost about $1,250,000.

WATTER SUPPLY—IRRIGATION

✚★Gardiner, Maine—Bids were received Sept. 8, for constructing a covered slow sand filtration plant, from H. P. Cumming Construction Co., Ware, Mass., $61,299 and YOUNG & HYDE, New York, N. Y., $48,634 (awarded contract). Noted Aug. 27.

Mansfield, Mass.—Bids will be received by the Water Commissioners until Sept. 18 for laying 7200 ft. of 16-in. water pipe. D. S. Spaulding is Chn. of Comrs. Percy M. Blake is Consult. Engr.

Salisbury, Mass.—The Artesian Water Co. contemplates laying new water and sewer mains.

✚Providence, R. I.—The contract for furnishing a rope drive engine for the water department has been awarded by the Board of Contract & Supply to WILLIAM A. HARRIS STEAM ENGINE CO., at $9470.

Brownville, N. Y.—The citizens contemplate spending $30,000 for the construction of a water system.

Manchester, N. Y.—The citizens contemplate spending $30,000 for the installation of a water system. Charles C. Hopkins, Cutler Bldg., Rochester, N. Y., is Consult. Engr.

East Orange, N. J.—Bids will be received until 8 p.m., Sept. 25, by the Board of Water Commissioners, for furnishing c.-i. pipe and specials. A. A. Reimer is Secy.

✚Philadelphia, Penn.—(Official)—The contract for making alterations and extensions to the Belmont Filter plant has been awarded to PEOPLES BROS., 25th and Callowhill St., Philadelphia, at $36,322. Noted Aug. 27.

✚Philadelphia, Penn.—The contract for furnishing pump cylinders for the Shawmont Pumping station has been awarded by the Department of Public Works to the SOUTHWARK FOUNDRY & MACHINE CO., 4th and Washington Aves. Philadelphia, at $0.0474 per lb.

Myersville, Md.—The Council contemplates installing a water system to cost $8000.

Beckley, W. Va.—Press reports state that the Beckley Utilities Co. contemplates constructing a water system. G. C. Hendrick is interested.

Athens, Ga.—Press reports state that the city contemplates extending the waterworks intake. The estimated cost is $20,000. J. W. Barnett is City Engr.

Chatsworth, Ga.—The citizens voted $13,000 in bonds the proceeds to be used for the installation of a water system.

East Lake (Atlanta post office) **Ga.**—An election will be held in October to vote on the proposition of issuing bonds for $100,000 part of which will be used for the enlargement of the water system.

Hapeville, Ga.—Bonds for $29,000 were voted by the citizens, Sept. 7, the proceeds of which will be used for the installation of a water system. Noted June 11.

Hartwell, Ga.—At an election held Sept. 2 bonds for $46,000 the proceeds of which will be used for the installation of water and sewer systems were voted. McAlpin Thornton is Mayor. Noted Aug. 20.

New Orleans, La.—Bids will be received by the Sewage and Water Board, until Nov. 4, for making extensions to the water and sewer system. George G. Earl is Supt. of Water Wks.

Dickson, Tenn.—Bonds for $5000, the proceeds of which will be used for the construction of a municipal water system, have been voted.

Beattyville, Ky.—The Utilities Co. plans to construct a water system to be operated in connection with its proposed electric-light plant.

Louisville, Ky.—The Louisville Water Co. will construct a storage water plant estimated to cost $35,000.

Brewster, Ohio—Bids will be received by W. J. Sherman, County Engr., Toledo, until Oct. 1, for installing a water system estimated to cost $10,000. Noted June 25.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, City Hall, until noon, Sept. 23 for furnishing about 5000 ft. of 8-in. steel pipe for the Water Department. Specifications are on file with Charles F. Schultz, Comr. of Div. of Water.

Bids will be received by the Commissioner of Purchases and Supplies until noon, Oct. 7, for three low lift steam turbine reduction gear driven centrifugal pumps for the Water Department.

Fostoria, Ohio—The city contemplates constructing a new reservoir estimated to cost $75,000. C. A. Latshaw is City Engr.

Greenville, Ohio—Plans have been approved by the City Council for the installation of a purification plant for the water system. The estimated cost is $79,600.

West Terre Haute, Ind.—The West Terre Haute Utilities Co., has been incorporated with $45,000 capital to supply water to West Terre Haute. John Schwartz is interested.

Albion, Mich.—A water system costing $20,000 will be constructed at Albion. Bonds for this purpose have been voted. Noted July 16.

✚Bancroft, Mich.—A contract has been awarded by the town to the GRAND RAPIDS HYDRAULIC CO., Grand Rapids, Mich., for the installation of a complete water system.

Orion, Mich.—The city contemplates installing a water system to cost $34,000. John Bagley is Village Clk. Smith & Boulay, Toledo, Ohio, are the Engrs.

Bluffs, Ill.—A water system will be installed by W. A. Fuller of Fuller Co., St. Louis, Mo., at Bluffs, according to press reports.

Normal, Ill.—Bids will be received until 3 p.m., Sept. 21, by the State Board of Administration, Springfield, for making improvements to the water system at the Soldiers' Orphans' Home, at Normal.

★Oglesby, Ill.—(Official)—Bids will be received until 8 p.m., Oct. 12, at the City Hall for the construction of an artesian well approximately 1650 ft. deep. For details see advertisement under "Contracts To Be Let." John Corgiat is City Clk.

Peoria, Ill.—Bonds for $11,000 have been voted, the proceeds of which will be used for the installation of pumps for the water works.

✚Prairie du Rocher, Ill.—The contract for constructing a water system and electric light plant has been awarded to MONIE & DUNBAR, at $18,324. Noted Aug. 27.

West Allis, Wis.—The Board of Public Works plans to install two pumps and additional equipment at the water works.

✚Estherville, Iowa—(Official)—Bids were received Aug. 11 for constructing a pipe line for the water system. The contract has been awarded to the UNION MACHINE CO., St. Paul, Minn., at $20,799. Noted July 30.

✚Harlan, Iowa—The Council has awarded the contract for laying water mains to LANA CONSTRUCTION CO.

Stanton, Iowa—(Official)—Bids will be received until 8 p.m., Oct. 1, for constructing a water system. C. G. Carlton is Town Clk. T. S. De Lay, Creston, Iowa, is Consult. Engr. Noted June 18.

Brookston, Minn.—The Village Council contemplates spending $6000 for the construction of a municipal water works.

Mesaba, Minn.—The citizens voted bonds for $9300 the proceeds of which will be used for the installation of a water system. Noted Dec. 11, 1913.

Kansas City, Kan.—Press reports state that the Standard Oil Co. will construct a water system at its Sugar Creek refinery.

Little River, Kan.—Bids will be received about Nov. 1 for constructing a water system to cost $25,000. W. B. Rollins, Kansas City, Mo., is Consult. Engr. Noted June 4.

Natoma, Kan.—Bids will be received about Oct. 15 for the installation of a water system and electric light plant. The estimated cost is $27,000. W. B. Rollins, Kansas City, Mo., is the Consult. Engr. Noted June 4.

Mitchell, S. D.—(Official)—Bids will be received until 8 p.m., Sept. 24, by Thomas Eastcott, City Audr., for laying 1399 ft. of 8-in., 3386 ft. of 6-in. and 771 ft. of 4-in. water mains.

+Wahpeton, N. D.—(Official)—Bids were received Sept. 8, for installing a filter plant at the water works. The contract has been awarded to TANNER BROS., St. Paul, Minn., at $21,000. W. A. Baker is City Engr. Noted Aug. 27.

Billings, Mont.—The Board of Health contemplates installing a modern filtration plant in connection with the water system. The estimated cost is $135,000.

Melstone, Mont.—Bids will soon be received for the construction of a water system to cost $19,000. Noted Sept. 10.

Ryegate, Mont.—Arrangements are being made by Griggs Bros., St. Paul, Minn., for the construction of an irrigation project near Ryegate. The estimated cost is $300,000.

+Kansas City, Mo.—The contract for furnishing 1179 tons of 6-in., 8-in., 10-in. and 12-in. class C c.-i. pipe has been awarded by the Fire & Water Board to the UNITED STATES CAST IRON PIPE & FORGE CO., at $23.50 per ton. Other bids were: American Cast Iron Pipe Co., $23.65, Lynchburg Foundry Co., $23.90 and National Cast Iron Pipe Co., $23.65.

Rockport, Mo.—Bids will be received about Oct. 15 for the construction of a municipal water system estimated to cost $12,000 John T. Wells is City Clk. Noted Aug. 13.

Corpus Christi, Tex.—At an election held Sept. 3, the citizens voted to issue $300,000 in bonds the proceeds of which to be used for the improvements of the water system. H. A. Stevens is City Engr. Noted Aug. 20.

Donna, Tex.—Steps have been taken toward organizing an irrigation district which will embrace 40,000 acres. It is purposed to issue $800,000 of bonds for the purpose of taking over the existing pumping plant and irrigation system and to make improvements and extensions.

Goodwell, Okla.—Bids are being received by the State Board of Agriculture, Oklahoma City, for furnishing water works machinery, sewage disposal equipment and heating apparatus for the Panhandle Institute.

Okemah, Okla.—Bonds for $25,000 for the installation of additional water works equipment have been sold. Noted Jan. 29.

Ringling, Okla.—H. E. Foster, Ardmore, contemplates installing a water system, electric light plant and ice plant.

+Tulsa, Okla.—The contract has been awarded by the City Commission to LAYNE & BOWLER, Houston, Tex., for sinking a series of wells for the new water supply. Noted July 23.

Montrose, Colo.—Burns & McDonnell, Engrs., Scarritt Bldg., Kansas City, Mo., are preparing plans for the construction of a water system to cost $140,000.

+Bovill, Idaho—The contract for constructing a municipal water system has been awarded to C. H. GREEN CO., Spokane, Wash., at $11,000. George C. Eggers is Village Clk. Noted Sept. 3.

Shoshone, Idaho—Bonds for $18,000 the proceeds to be used for the purchase and improvement of the water system have been voted. Harry W. Anderson is City Clk. Noted Aug. 6.

Aberdeen, Wash.—Bids will soon be received by Peter F. Clark, City Clk., for furnishing 12,000 ft. of water pipe to be used in making extensions to the water system.

Seattle, Wash.—The City Council has authorized the laying of water mains in portions of West Kenyon, West Holden St. and Ninth Ave., S., W. A. H. Dimock is City Engr.

+Toppenish, Wash.—(Official)—The contract has been awarded by C. A. Wyckoff, City Clk., for constructing a 75,000 gal. tank, 105 ft. above ground and for laying 15,000 ft. of c.i. water mains, to C. H. GREEN CO., Spokane, Wash., at $28,418 in bonds. Noted Aug. 27.

+Portland, Ore.—The contract for furnishing 40,000 ft. of 2-in. galvanized iron pipe has been awarded to the CRANE CO., at $10.89 per 100 ft.

Redmond, Ore.—Bonds for $10,000 will be voted by the citizens, the proceeds of which will be used to make improvements to the water system.

Madera, Calif.—E. W. Chapman and others have incorporated the Madera Canal & Irrigation Co., Madera, with $400,000 capital and will construct an irrigation system.

Redding, Calif.—The Anderson-Cottonwood Irrigation District will construct a cement lined tunnel, 6x8-ft. and 2200 ft. long. A. T. Brown is Engr.

Sydney, N. S.—The Town Council is in the market for a centrifugal pump with a capacity of 4,000,000 gal. and motor with switchboard for the water system. Norman Hay is Engr.

Coquitlam, B. C.—Bids will soon be received by the Municipal Council for continuing the construction of the water system.

SEWERS

Boston, Mass.—Bids will be received by the Public Works Department until Sept. 18, for constructing sewers in Huntington Ave. and Lockwood St., Hyde Park. L. K. Rourke is Comr.

Fall River, Mass.—(Official)—The following bids were received by the Reservoir Commission for constructing the reinforced concrete intercepting drain and appurtenances: Hanscom Construction Co., Boston, Mass., $173,834; William H. Arthur, Stamford, Conn., $179,473; T. Stuart & Son Co., Newton, Mass., $193,787; Bruno & Petitti, Boston, Mass., $201,359; Mason Hilton & Co., New York, N. Y., $204,489; Frederick T. Ley & So., Inc., Springfield, Mass., $206,207; Leo E. Kelly, Inc., (Borough of Brooklyn) New York, N. Y., $216,597; Whiting, Turner Contracting Co., Baltimore, Md., $236,973; Chauncey H. Sears, Fall River, Mass., $239,963. Barrows & Breed, 6 Beacon St., Boston, are the Consult. Engrs. Noted Sept. 3.

Salisbury, Mass.—See item under "Water Supply and Irrigation."

+New York, N. Y.—(Borough of Bronx)—The contract for constructing a sewer in Wood Ave. between White Plains Road and Stearrow St. has been awarded to the ANITA CONSTRUCTION CO., 2975 Marion Ave., at $10,999.

Suffern, N. Y.—Clyde Potts, Engr., 30 Church St., New York, N. Y., has completed plans for a sewer system and sewage disposal plant. Plans have been submitted to the State Board of Health for approval. A. B. Ronk is City Clk.

Hoboken, N. J.—Plans are being prepared by James H Fuertes, 140 Nassau St., New York, N. Y., for constructing main and lateral sewers on 11th and 15th Sts. Bids will be received about Mar. 1, 1915.

Newark, N. J.—Bids will be received by the Board of Street and Water Commissioners, City Hall, until Sept. 24, for constructing a sewer in Branford Place.

Plainfield, N. J.—George W. Fuller, Engr., 170 Broadway, New York, N. Y., has completed plans for a sewer system and sewage disposal plant to cost about $325,000. The work will be done jointly by Plainfield, North Plainfield and Dunellen.

Trenton, N. J.—Bids will be received by the City Commission, until Sept. 23, for constructing a sewer in Hamilton Ave. from the Municipal Hospital to the city line. Frank Thompson is City Clk.

Woodlynne (Camden post office), **N. J.**—(Official)—Clyde S. Potts, Engr., 30 Church St., New York, N. Y., has completed plans for a one- and two-story brick sewage disposal plant, estimated to cost $7000.

Archbald, Penn.—The following bids were received by the Borough Council for constructing the sewer in the Third Ward. Boland Bros., Carbondale, $10,450; O'Boyle Bros., Dunmore, $10,720; McConnville Co., Scranton, $11,997; Sweeney Bros., $11,078; J. P. Ryan, Scranton, $12,000; Dennis Lawler, $12,800; Frank J. Cawley, Scranton, $14,616.

Reading, Penn.—The city is having plans prepared for an additional sewage filter, covering one acre in area, in connection with the sewage disposal plant. The cost will be about $40,000. E. B. Ulrich is City Engr.

South Renovo (Renovo post office), **Penn.**—The Borough has decided to construct 1½ miles of sewers by day labor. Ambrose Beck is Clk. of the Council. Noted July 30.

Washington, D. C.—Bids were received by the District Commissioners for furnishing about 200,000 red sewer bricks during the remainder of the year 1914, from Frederick Brick Works, Frederick, Md. (per 1000), $10; Layton Fire Brick Co., McKeesport, Penn. (per 1000), $14.80.

Norfolk, Va.—The Board of Control has decided to extend the sewer mains in the Seventh Precinct. W. T. Brooke is City Engr.

+Huntington, W. Va.—The contract for constructing the storm trunk sewer in the Fourth ward has been awarded to the SLUSS-BAKER CONSTRUCTION CO., at $75,500. A. B. Maupin is City Engr. Noted Mar. 12.

Hapeville, Ga.—The citizens have voted $14,000 in bonds for constructing sewers.

New Orleans, La.—See item under "Water Supply and Irrigation."

+Covington, Ky.—The contract for reconstructing the sewer outlet on Monmouth St. has been awarded to J. B. McLANE & CO., at $5500.

Louisville, Ky.—The city will award a contract about Oct. 1 for laying about 1000 ft. 18- and 24-in. pipe sewers and constructing 1500 ft. of 30-, 33- and 39-in. concrete sewers.

**+Press reports state that the contract for furnishing sewer pipe during the year has been awarded to P. BANNON & SON, at about $27,000.

Louisville, Ky.—The J. H. Hostetter Co. submitted the lowest bid for construcing sanitary sewers on nine streets.

Cincinnati, Ohio—Bids will be received by Phillip Fosdick, Dir. or Pub. Serv., until noon, Sept. 18, for constructing a sewer in Duck Creek Road, and until Sept. 24, for constructing sewers in Burnet, Wilson and Maple Aves.

Columbus, Ohio—Bids will be received by Samuel A. Kinnear, until Oct. 9, for making extensions to the sewer system.

Dayton, Ohio—The City Commission contemplates constructing sanitary sewers in District No. 6, at a cost of about $45,000.

Findlay, Ohio—(Official)—No bids were submitted to the Direction of Public Service on Sept. 5, for constructing the combined storm and sanitary sewer. H. A. Glathart is City Engr. Joseph Page is City Clk. Noted Aug. 27.

Fostoria, Ohio—(Official)—Bids will be received by E. K. Cunningham, Dir. of Pub. Ser. until noon, Oct. 9, for constructing a dam for reconstructing the screen chambers and enlarging the superstructure, remodeling one sewage reservoir into an Imhoff two-story tank; erecting and constructing a pump well together with superstructure, installing a water pressure system, constructing Imhoff tank effluent distributing well and sludge distributing well, Imhoff tank sewage effluent channel, sludge supply channel, gate valves, sluice gates, shear valves, connecting one unit with another of the plant, also installing the necessary motors, pumps, and machinery-control devices.

Evansville, Ind.—Bids will be received by the Board of Public Works until 8 a.m., Sept. 22, for constructing a main sewer in Franklin St. and New Harmony Road. Edward N. Frisse is Clk.

+Bay City, Mich.—The contract for constructing sewers in Sidney and Marquette Aves. has been awarded to COX & CO., at $9800. E. E. Prohazka is City Compt. Henry C. Thompson is City Engr.

Harbor Springs, Mich.—Bids will be received by the Village Council, until Oct. 9, for constructing sewers in Bay, Main, Third and State Sts. V. A. Pool is Village Clk.

Lincoln, Ill.—It is reported that the city has voted $68,000 in bonds for constructing the proposed sewer system. Noted Aug. 27.

Lockport, Ill.—Press reports state that the city will soon award a contract for installing the proposed sewer system, at an estimated cost of $70,000.

Oconomowoc, Wis.—Bids will be received by the Board of Public Works, until Sept. 26, for constructing sanitary sewers in various streets. The work requires 12- and 24-in. sewer pipe. C. H. Schoenike is Secy.

Sheboygan, Wis.—The city plans to construct sewers in five blocks. J. M. Steimle is City Clk.

Atlantic, Iowa—The City Council has decided to construct a sewer system in the Southeast section of the city.

Creston, Iowa—(Official)—Bids will be received by J. F. Golden, City Clk., until 8 p.m., Sept. 30, for constructing 6-, 8- and 12-in. sanitary sewers in various streets. Theodore S. Delay is City Engr.

✚**Guthrie Center, Iowa**—Press reports state that the contract for installing the sewer system has been awarded to the WESTERN CONSTRUCTION CO., Iowa City.

Holstein, Iowa—(Official)—There were no bids submitted on Sept. 7, to A. G. Merkley, City Recorder for making the improvements to the sewerage treating plant. Noted Aug. 27.

Sioux City, Iowa—The City Council has decided to construct a sanitary sewer in Omaha St.

✚**Valley Junction, Iowa**—According to press reports, the contract for extending the sewer system has been awarded to the GEORGE M. KING CONSTRUCTION CO., at $9326.

St. Paul, Minn.—The City Council has ordered the construction of Ocean St. sewer in District No. 2, at an estimated cost of $31,417. O. Claussen is City Engr.

✚**Concordia, Kan.**—The contract for constructing an outlet sewer in Section A of District No. 3 has been awarded to the EBY CONSTRUCTION CO., at $26,265.

Bridgeport, Neb.—The city contemplates constructing 7- to 15-in. sewers, at an estimated cost of $12,000. R. H. Willis is City Engr.

✚**Genoa, Neb.**—The contract for constructing a sewer system has been awarded to ALAMO ENGINE & SUPPLY CO., 1112 Farnum St., Omaha, at $11,402. W. J. McEathrow, Omaha, is Engr.

Granger, Tex.—The citizens have voted $15,000 in bonds for constructing a sewer system.

San Antonio, Tex.—(Official)—Bids will be received by Frederick Fries, until 4 p.m., Sept. 21, for constructing sanitary sewers. The works call for the appropximate quantities as follows: Sect. No. 24, 10,900 ft. of 58- to 66-in. pipe; Sect. 25, 20,000 ft. of 26- to 56-in. pipe; Sect. 26, 10,000 ft. of 18- to 24-in. pipe; Sect. 27, 20,750 ft. of 8- to 30-in. pipe.

Goodwell, Okla.—See item under "Water Supply—Irrigation."

✚**Bremerton, Wash.**—The contract for constructing sewers in Sixth, Seventh and Eighth Sts. has been awarded by the City Council to W. O. BULLETTE.

Cathlamet, Wash.—It is reported that the city has had plans completed for installing a sewer system.

✚**Dallas, Ore.**—The contract for constructing the septic tank in connection with the sewage treatment plant has been awarded to BERHAM BROS., at $5500.

✚**Portland, Ore.**—The contract for constructing the Long Ave. extension to the Holgate St. sewer, has been awarded to the AZAR CONSTRUCTION CO.

Burlingame, Calif.—See item under San Mateo.

✚**Los Angeles, Calif.**—The contract for constructing a sewer in Brent St. has been awarded by the City Council to J. C. WUKOJEVICH, at $34,800. Noted Sept. 10.

✚The contract for constructing the sewer in Moneta Ave. has been awarded to JOHN RADICH, at $8200.

✚The contract for constructing a sewer in Vignes St. has been awarded to B. WUCETICH, 49 Castelar St., at $17,364.

Napa, Calif.—Bids will soon be called for by the City Trustees for constructing sewers in Napa St. and Grugsby's Court.

Sacramento, Calif.—It is reported that an appropriation of $200,000 has been made by the City Council for constructing lateral sewers.

✚**San Francisco, Calif.**—The contract for making sewer improvements in the Civic Center has been awarded by the Board of Public Works to CHURCH & CLARK, at $12,000.

San Mateo, Calif.—The City Trustees of San Mateo and Burlingame have decided to construct a storm sewer connecting the two cities.

Ottawa, Ont.—The Board of Control will construct a sewer system in the Mechanicsville District, to cost about $60,000. John Henderson is City Clk.

✚**Esquimalt, B. C.**—The contract for constructing a section of the sewer has been awarded to HUGH MACDONALD, at about $15,000.

STREETS AND ROADS

Boston, Mass.—Bids will be received until Sept. 22, by the State Highway Commission, for the construction of 4200 lin.ft. of road in Wrentham and 10,600 lin.ft. in Becket. Arthur W. Dean, 15 Ashburton Place, is Ch. Engr.

Bids will be received until Sept. 21, by the Public Works Department for a bituminous macadam roadway on Bowe St., West Roxbury District, and for bitulithic pavement on Washington St., Dorchester District. L. K. Rourke is Comr. Pub. Wks.

✚The contract for constructing 9600 lin.ft. of state macadam road at Duxbury has been awarded to D. J. SHEEHAN, Lynn, at $16,496. Other bids were: E. J. Rourke, Abington, $16,673; H. L. Thomas, Middleboro, $16,707; Lane Quarry Co., Hingham, $17,201; Horne-Lowe Construction Co., Millbury, $18,874; Charles T. Alger, Munson, $18,976; James H. Ferguson, Dorchester, $19,689; Capito & Giovanni, $20,273.

The contract for constructing 9100 cu.ft. of gravel road at Groton has been awarded to J. F. WATKINS, Amesbury, at $10,044. Other bids were: D. Blakeley, Groton, $9711; P. Perini, Ashland, $10,054; Capito & Giovani, $10,260; M. Toomey, Newburyport, $10,763; H. L. Thomas, Middleboro, $10,973; F. J. Maney, $11,171; D. J. Sheehan, Lynn, $11,194; H. J. McGuire, Worcester, $11,367; F. E. Ellis, Melrose, $11,500; A. Michelino, Reading, $11,656; James A. Gaffey, Medford, $11,729; Horne-Lowe Construction Co., Millbury, $12,187; A. D. Bridges Sons, Inc., $12,454; Henry W. Tarhell, Lowell, $12,729; Newell & Brock, Uxbridge, $12,739; W. J. Donovan, Fitchburg, $13,218; Joseph H. Ferguson, $14,278.

✚**Rochester, N. Y.**—The contract for paving Mill and McFarlin Sts. has been awarded to THOMAS HOLOHAN at $20,380 and $2080 respectively.

Elizabeth, N. J.—According to press reports bids will be received by the City Council, until Sept. 21, for paving Trumbull and Spencer Sts., and Palisade Road with concrete.

Fort Lee, N. J.—(Official)—Bids will be received by the Borough Council, until 8:30 p.m., Sept. 23, for improving Hudson Terrace from Main St. to the North Borough line. C. S. Lebright is Borough Clerk.

New Brunswick, N. J.—The Board of Chosen Freeholders of Middlesex County will receive bids, until Sept. 21, for resurfacing with bituminous concrete the Middlesex-Essex Road, from Highland Park to Metuchen. Alvin B. Fox, Perth Amboy, is County Engr. Noted Sept. 10.

Washington, N. J.—The Board of Chosen Freeholders will resurface the macadam road between Washington and Hackettstown, 10 miles. Bids will be advertised at once. The estimated cost is $6000.

✚**Berwick, Penn.**—The contract for paving Market St., from Front to Cemetery St., has been awarded to JOHN HEAVNER. Noted Aug. 20.

✚**Harrisburg, Penn.**—Bids were received Sept. 1, by the State Highway Commission and contracts awarded as follows:

Columbia County, West Berwick Borough, 8552 ft., brick block pavement, to McNERNEY CONSTRUCTION CO., Canton, at $40,438.

Greene County, Franklin Township, 15,036 ft., brick block pavement, to RIMONTI GALIARDI, Connellsville, at $60,168.

Washington County, Union Township and Finleyville Borough, 17,820 ft. asphaltic concrete and brick block pavement to BELL BOCKEL CO., INC., Altoona, at $103,385.

Washington County, New Eagle Borough, 4257 ft. brick block pavement, to PARSON CONSTRUCTION CO., INC., Brownsville, at $21,996.

Luzerne County, Duryea Borough, 1393 ft. brick block pavement, to O'BRIEN BROS., Avoca, at $11,442.

Dauphin County, South Hanover and Derry Townships, 18,272 ft. asphaltic bituminous macadam, to M. BENNETT & SONS, INC., Indiana, at $51,943.

Clearfield County, Bigler Township, 5200 ft. brick block pavement to E. H. BRUA, Hollidaysburg, at $26,130.

Potter County, Galeton Borough, 5806 ft. amiesite, to SIMPSON MITCHELL CROSBY CO., Punxsutawney, at $21,437. Noted Aug. 20.

✚**Lewistown, Penn.**—A contract for paving 18,000 sq.yd. with brick has been awarded to J. B. TREXLER, Reading, at $40,000.

✚**Philadelphia, Penn.**—Contracts have been awarded for improving Upsal St., from Germantown Ave. to Green St., to PAUL J. SNYDER & CO., Bailey Bldg., at $6293; 12th St., from Chelten Ave. to 66th Ave. North, to D. WEBSTER ANDERS, Heed Bldg., at $4586; Queen St., from Vaun to Fox St., to ESTATE of D. McMAHON, P. O. Bldg., at $12,303; Germantown Ave., from Susquehanna to Montgomery Ave., to J. JOSEPH McHUGH, 60th St. and Angora Ave., at $32,535; Tyson Ave., from Boulevard to Torresdale, to JOHN McMENAMY, 413 Harrison Bldg., at $32,739.

Bids will be received by the Department of Public Works, until Sept. 13, for the following works: Schedule (A) grading streets; Schedule (B) paving streets with asphalt (assessment work); Schedule (C) paving streets with vitrified brick (assessment work); Schedule (D) repaving streets with asphalt; (Schedule (E) repaving streets with block; Schedule (F) surfacing country roads; (G) resurfacing country roads; Schedule (H) repaving and patching bituminous pavements.

Scranton, Penn.—(Official)—Bids will be received by J. G. Hayes, Dr. Pub. Wks., until 10.30 a.m., Sept. 19, for laying flagstone sidewalks on a number of streets.

✚**Union City, Penn.**—The contract for paving East and West High St. has been awarded to SIMPSON & METZ, Erie, at $29,965.

Baltimore, Md.—The Paving Committee has authorized the paving of portions of Greene and Saratoga St. with sheet asphalt.

✚**Clintonwood, Va.**—A contract for constructing three miles of graded road has been awarded to M. S. DAVIS, Ibex.

Warrenton, N. C.—Bids will be received by the County Commissioners, until Oct. 5, for the sale of $20,000 in bonds for Nutbush Township roads.

Morgan, Ga.—An election will be held Sept. 26 to vote on the proposition of issuing $100,000 in bonds for road and bridge construction.

Ocala, Fla.—An election will be held Oct. 27 to vote on the proposition of issuing $100,000 in bonds for street pavements.

Pensacola, Fla.—The Board of Commissioners has passed an ordinance providing for the paving of a portion of Main St. with wood block.

Double Springs, Ala.—Bids will be received by the Commissioners of Winston County, until Oct. 2, for grading, drainage and surfacing a part of the Haleyville and Double Springs Road with sand clay. The approximate cost is $5380.

+Linden, Ala.—A contract for constructing 2½ miles of road in Marengo County has been awarded to J. J. DUNNAVANT, Linden. Noted Aug. 20.

Montgomery, Ala.—Bids will be received by the Commissioners of Montgomery County, until Sept. 28, to grade a part of the Hanche Mill Road, gravel three miles of the Merriwether Trail and gravel a portion of the Federal Road.

Tuskegee, Ala.—The city has voted in favor of the proposition of issuing $15,000 in bonds for street improvements.

+Knoxville, Tenn.—The contract for macadamizing the Wright's Ferry Road has been awarded to DYKES & CO.

Maryville, Tenn.—The Commissioners of Blount County have ordered an election to be held for the purpose of voting on the proposition of issuing $300,000 in bonds for road construction.

+Memphis, Tenn.—The contract for grading and graveling Southern Ave. and constructing retaining walls along the roadway has been awarded to B. F. WILLIFORD, Memphis. The approximate cost is $30,000.

+Hazard, Ky.—A contract for constructing macadam streets has been awarded to J. C. CODELL, Winchester, at approximately $15,000.

Maysville, Ky.—Mason County plans to issue $100,000 in bonds for constructing roads.

+Whitesburg, Ky.—The contract for constructing six miles of roadway from Mayking to Kona has been awarded to MUNDAY & BARNES.

Bowling Green, Ohio—(Official)—Bids will be received by W. A. Mariner, Dir. Pub. Ser., until noon, Sept. 25, for improving Washington St.

Cincinnati, Ohio—(Official)—Bids will be received by the Board of County Commissioners, until noon, Oct. 9, for repairing the Springfield Pike from Wyoming to Glendale, in Springfield Township.

(Official)—Bids will be received by Philip Fosdick, Dir. Pub. Ser., until noon, Sept. 23, for the improvement of Plum St., from Eighth to Ninth St.

Cincinnati, Ohio—(Official)—Bids will be received by the Board of County Commissioners until noon, Oct. 2, for improving Park Ave., from Wooster Pike to Shawnee Run Road in Columbia Township. Albert Reinhardt is Clk. of the Bd.

Cleveland, Ohio—(Official)—Bids will be received by the Board of County Commissioners, until Oct. 3, for the improvement of the Kinsman Road. E. G. Krause is Clk. of the Bd.

+The contract for building a municipal paving plant has been awarded to F. D. CUMMER & SON, Cleveland, at $13,450.

Cleveland, Ohio—(Official)—Bids will be received by the Board of County Commissioners, until 10 a.m., Oct. 7, for improving the Usher Road. E. G. Krause is Clk.

Dayton, Ohio—(Official)—Bids will be received by the Board of County Commissioners, until 11 a.m., Sept. 21, for the sale of $24,000 in bonds for improving highway No. 62.

+Defiance, Ohio—The contract for paving the Canal Road with stone has been awarded to SCHNEIDER BROS., at $29,750.

East Liverpool, Ohio—(Official)—Bids will be received by E. J. Smith, Dir. Pub. Ser., until noon, Sept. 23, for improving Diamond and Dresden Aves.

+Lorain, Ohio—The contract for paving West 18th St. with stone filled asphalt has been awarded to the OHIO ENGINEERING CO., at $19,170.

+Newark, Ohio—The contract for paving Maple Ave., Seventh and Elizabeth Sts., has been awarded to R. H. NUTTER & CO.

Sandusky, Ohio—The County Commissioners will soon receive bids for a concrete and waterbound macadam road.

+Sebring, Ohio—The contract for improving South 15th St. has been awarded to GEORGE B. HERRING & SON, at $17,845. Noted Aug. 27.

Steubenville, Ohio—(Official)—Bids will be received by J. P. Gavin, Dir. Pub. Ser., until noon, Sept. 28, for grading, paving and curbing Hillary Square, Wilson Place, Belleview Blvd., Oak Grove and Arlington Aves., Pittsburgh and Carnegie Sts.

+Bloomington, Ind.—The contract for constructing the Waler Kechum pike road in Clear Creek Township has been awarded to BLAIR & KERR, at $7890. Noted Aug. 27.

+The contract for improving 13th St. has been awarded to STUART & STUART, Bloomington. Noted Aug. 20.

Brownstown, Ind.—(Official)—Bids will be received by the Commissioners of Jackson County until 1 p.m., Oct. 5, for constructing two roads in Driftwood Township.

+Fowler, Ind.—The contract for constructing a road in Hickory Grove Township has been awarded to L. W. ROOK, Fowler, at $11,345. Noted Aug. 27.

+Gary, Ind.—The contract for improving Alley 7W-Sect. 2 with brick on sand has been awarded to W. A. TRINLER, at $9009.

Lawrenceburg, Ind.—(Official)—Bids will be received by the Commissioners of Dearborn County until noon, Oct. 6, for constructing a gravel road in Lawrenceburg Township. W. S. Fagaly is Audr.

+Rochester, Ind.—The contract for constructing a gravel road in Fulton and Kosciusko Counties has been awarded to JOHN M. HATCH, Macy.

+Detroit, Mich.—(Official)—Contracts have been awarded for paving Military Ave., to E. PORATH & SON, at $4749; May Ave., to T. E. CURRIE, at $5599; Wilson Ave., to the CLEVELAND TRINIDAD PAVING CO., at $7213.

+Grand Rapids, Mich.—The contract for improving National Ave. has been awarded to HILDING & ROBIE, at $16,194.

+Buckley, Ill.—A contract for laying brick pavement has been awarded to H. C. FINLEY, Paxton, at $12,500.

+Danville, Ill.—The contract for paving Roselawn Ave. and Griffin St. with brick has been awarded to J. C. POLL, 19½ Walnut St.

+Dixon, Ill.—A contract for constructing 14,150 sq.yd. of brick paving and 3330 ft. of concrete curb and gutter on North Crawford St. has been awarded to RINK & SCHNELL.

+Kankakee, Ill.—The contract for paving Evergreen and Wildwood Ave. with asphaltic concrete has been awarded to F. P. CAUGHLIN.

+O'Fallon, Ill.—A contract for constructing 10,000 sq.ft. of sidewalks has been awarded to G. G. BUDINER & CO.

+Peoria, Ill.—The contract for paving Glen Oak Ave. with brick has been awarded to McELWEE & BUSHEL, at $10,734. Other bids were: John McAllister, $10,737; Barnewolt Construction Co., $11,698; A. D. Thompson, $10,820.

+Princeton, Ill.—The contract for paving Marion St. with concrete has been awarded to the ILLINOIS GRAVEL CO., at $6800.

+Rockford, Ill.—The contract for paving Ninth St. has been awarded to HART & PAGE, at $7500.

+Burlington, Wis.—The contract for paving and curbing Chestnut St. has been awarded to WILLIAM SOETEBIER.

Fond du Lac, Wis.—Bids will be received by the Board of Public Works, until Oct. 2, for grading and constructing a 10,575 yd. bituminous and 7900 yd. bituminous macadam pavement, 1320 yd. vitrified brick block pavement.

+Madison, Wis.—The contract for paving North Henry and West Gilman Sts. has been awarded to the STREICHER CO.

+New Glarus, Wis.—A contract for paving 6660 sq.yd. with reinforced concrete has been awarded to L. A. LARSEN, 104 Main St., Oshkosh, Wis.

Wauwatosa, Wis.—Bids will be received by the City Clerk, until Sept. 19, for improving portions of nine streets. The work includes 26,000 cu.yd. excavating, 20,000 cu.yd. filling, 8350 ft. combination curb and gutter, 7900 ft. curb and gutter, 10,575 yd. bituminous and 7900 yd. bituminous macadam pavement, 1320 yd. vitrified brick block pavement.

+Nebraska City, Neb.—A contract for paving 5300 sq.yd. with concrete has been awarded to JOHN BEEBE, Omaha.

+Linneus, Mo.—A contract for paving about 12,000 yd. with fiber brick has been awarded to the COLUMBIAN PAVING CO., Columbia, at $1.91 per yard.

+St. Joseph, Mo.—The contract for paving 22d and 23d with asphalt macadam has been awarded to the METROPOLITAN PAVING CO.

The City Engineer is preparing plans for the paving of Penn St. with asphaltic concrete.

+Springfield, Mo.—A contract for paving a number of streets has been awarded to E. L. MEEK.

+San Antonio, Tex.—The contract for improving the Rockport Road has been awarded to C. C. McRAE, at $10,943.

+Fort Collins, Colo.—A contract for grading State Highway No. 2, northeast of Wellington, has been awarded to O'DELL BROS.

+Franklin, Idaho—A contract for constructing four miles of concrete sidewalk has been awarded to LEROY HILL, Logan, Utah.

+Wallace, Idaho—The contract for paving Fifth, Bank and Hotel Sts. has been awarded to the WARREN CONSTRUCTION CO.

+Salt Lake City, Utah—A contract for laying sidewalks has been awarded to the PARROTT BROS. CO., at $25,596.

+Aberdeen, Wash.—The contract for paving Pacific Ave. has been awarded to L. G. HUMBARGER, at $10,924.

Centralia, Wash.—The Council has passed an ordinance providing for macadam paving on Sitka St., from State St. to National Ave.

Issaquah, Wash.—According to press reports bids will be received by the County Commissioners, until Sept. 29, for grading and graveling Falls City-Issaquah Road. The estimated cost is $80,000.

Pasco, Wash.—The Commissioners of Franklin County have voted to construct a highway to connect with the Riverview Road. The cost of this road will be about $16,000.

Port Angeles, Wash.—The City Council has ordered the improvement of Eighth and 10th Sts. by clearing, grubbing, grading, filling and paving.

+Spokane, Wash.—The contract for paving Broadway from Post to Monroe St. has been awarded to MITCHELL BROS., at $6999. Noted Sept. 10.

Walla Walla, Wash.—The City Council has passed an ordinance providing for the grading, paving and improving parts of Clinton, Terrace and Estelle Aves.

+Bandon, Ore.—The contract for paving Fourth St. and Grand Ave. has been awarded to the BANDON CONSTRUCTION CO.

Eugene, Ore.—The City Engineer has completed plans for opening 19th Ave., between Alder and Williamette Sts., and widening Eighth Ave. West of Blair Blvd. Also for macadamizing Kincaid St., from 13th Ave. East to 15th Ave. East.

+Hillsboro, Ore.—JEFFREY & EUFTON, Failing Bldg., Portland, at $18,698, received the contract for constructing the Capital Highway in Washington County.

+Hood River, Ore.—A contract for constructing the Columbia Highway has been awarded to the NEWPORT LAND & CONSTRUCTION CO., at $58,000. Noted July 16.

Yamhill, Ore.—The City Council has passed an ordinance providing for waterbound macadam pavement on Main St., from west line of city limits to east line of city limits, and on Third St., from south end of present pavement on Maple St. and road toward Carlton from Third St. to south line of city limits.

+Los Angeles, Calif.—The contract for improving Marathon St., from Hubbard to Coronado St., has been awarded to the FAIRCHILD-WILTON CO., at $5895.

Los Angeles, Calif.—Bids will be received by the County Supervisors, until 2 p.m., Sept. 28, for making improvements in Road Districts No. 66 and 30. The approximate costs are $54,338 and $15,162 respectively.

National City, Calif.—The city contemplates improving D Ave. from Division to 25th St. The approximate cost is $26,000.

✚**Orange, Calif.**—The Board of Supervisors of Orange County has awarded a contract for highway construction to HART & DUCEY, Pasadena, at $20,775.

Redwood City, Calif.—The Board of Supervisors of San Mateo County has rejected all bids for constructing a highway from San Gregorio to Pescadero, and will advertise for new bids. The lowest bid was submitted by James Wilson, at $68,311. The estimate of the County Surveyor was $55,074.

Sacramento, Calif.—(Official)—Bids were received Aug. 31, by the State Highway Commission for constructing roads in various counties as follows: (a) Orange County, Sect. C; (b) San Luis Obispo County, Sect. B, Route 2; (c) Kern County, Sect. A, Route 4; (d) Colusa County, Sect. B, Route 7 (e) Santa Barbara County, Sect. A, Route 2 (f) Sacramento County, Sect. A, Route 11; (g) Yuba County, Sect. A, Route 3; (h) Santa Barbara County, Sect. G and I, Route 2; (i) Los Angeles, Sect. B, Route 4: H. E. Cox, Pasadena, (a) $47,449; Lynn S. Atkinson, Los Angeles, (a) $47,437, (b) $97,183, (c) $93,125, (h) $156,504, (i) $209,336; O. C. Construction Co., Fullerton, (a) $46,926; George Wiegand, La Manda Park, (a) $39,644; White & Gaskill, Long Beach, (a) $37,936; Brashear-Burns Co., Los Angeles, (a) $45,803, (h) $89,467; H. L. Petersen & A. T. Grier, San Francisco, (b) $84,035; Rogers Bros. Co., Los Angeles, (b) $79,469, (e) $19,523; J. W. Calback, San Diego, (b) $79,294, (h) $118,850, (i) $148,094; A. C. McLean Construction Co., San Francisco, (c) $68,904, (h) $111,923, (i) $194,824; F. Rolandi, San Francisco, (c) $108,920, (h) $113,486; J. H. McMillen, Wasco, (c) $71,530; Shattuck Edinger Co., San Francisco, (c) $90,745, (h) $105,465, (i) $181,182; C. L. Schaad, Williams, (d) $67,119; Arthur Garrill, Oakland, (d) $70,697; Joseph Lawrence, Broderick, (f) $41,498; E. M. Whitlock, San Francisco, (g) $24,304; Mahoney Bros., San Francisco, (h) $137,644, (i) $123,158; C. H. Hudson, Los Angeles, (h) $93,513, (i) $139,970; Marsh Bros. & Gardiner, Inc., San Francisco, (h) $101,913, (i) $120,437; P. L. Burr, San Francisco, (h) $118,416; Lee Moore Contracting Co., Inc., Neenach, (i) $148,501; John Mulligan, Yuma, Ariz., (i) $150,860; Rice & Dutcher, Imperial, (i) $180,667; Toohey & Johnson, Phoenix, Ariz., (i) $171,235. Noted Aug. 13.

Santa Cruz, Calif.—The Supervisors of Santa Cruz County have voted to construct a road from Pescadero to the State Highway. The approximate cost will be $30,000.

✚**Santa Maria, Calif.**—The contract for improving portions of Broadway and Main St. has been awarded to the ROADAMITE PAVING SUPPLY CO., Hellman Bldg., Los Angeles, at $37,000.

✚**Kingston, Ont.**—The contract for paving a portion of Princess St. has been awarded to the KINGSTON CONSTRUCTION CO.

✚**Perth, Ont.**—A contract for paving has been awarded to JOHN CARROLL, Peterborough.

✚**Winnipeg, Man.**—A contract for constructing sidewalks has been awarded to JACKSON & SONS.

The Board of Control plans to pave Salter St. with asphalt at an estimated cost of $68,913.

✚**Winnipeg, Man.**—The contract for paving Academy Road, Kenaston Blvd., Basswood Place, Greenwood Place, St. John's and South Tuxedo Aves., Watt, Lenore, Lipton, Levis and Ruby Sts. has been awarded to J. W. ASTLEY, at $48,698, $14,267, $5309, $7358, $3100, $12,470, $5162, $9899, $3766 and $666, respectively.

Edmonton, Alta.—The City Council contemplates paving 109th and 121st Sts.

INDUSTRIAL WORKS

Bridgeport, Conn.—The Frisbie Pie Co., plans to build an addition to its plant on Borroughs St. It will be three stories, 45x80 ft. Leonard Asheim is the Arch.

✚**Chester, Conn.**—C. J. Bates & Son, have awarded the contract to J. H. GROZIER & CO., Hartford, for the construction of two additions to its plant. Noted July 2.

✚**Torrington, Conn.**—The Excelsior Needle Co., Field St., has awarded the contract to FRANK W. FULLER for constructing an addition to its plant, at $18,972. Other bids were: Louis Longhi & Bro., $20,205; Lewis A. Miller, $20,243; James L. Farley, $20,400; Torrington Bldg. Co., $21346; Tracey Bros., $21,988; George Chetfield Co., $22,634; H. Wales Lines Co., $22,700.

✚**Waterbury, Conn.**—The Pilling Brass Co. has awarded the contract for the construction of its factory to D. E. CRONAN, 11 East Main St. The estimated cost is $20,000. Griggs & Hunt, 111 West Main St., are the Archs. Noted Aug. 20.

Buffalo, N. Y.—The Taber Pump Co. plans to erect a foundry at 291 Elm St. The estimated cost is $30,000.

New York, N. Y.—(Borough of Brooklyn)—Truslowe & Fulle Inc., 48 Wilson St., will receive bids for the construction of a four-story, 61x99-ft. factory. Estimated cost $15,000. William H. Ludwig, 801 Eastern Parkway is the Arch.

✚**Yonkers, N. Y.**—James McCann, Mill St., has awarded the contract for the construction of a six-story, 45x78-ft. warehouse to the TURNER CONSTRUCTION CO., New York. H. L. Quick, Yonkers, is the Arch.

Bordentown, N. J.—Foreman & Sons are having plans revised for the construction of a one-story, 75x200-ft. brick factory. M. Haupt, Drexel Bldg., Philadelphia, Penn., is the Arch.

Newark, N. J.—The Gerhard Mennen Chemical Co., manufacturer of toilet preparations, will make alterations and improvements in its plant on Orange St.

New Brunswick, N. J.—The Endurance Tire & Rubber Co., New York, N. Y., is having plans prepared for a one-story, 80x250-ft. factory to be erected in this city. The estimated cost is $50,000. William Boylan, 390 George St., New Brunswick, is the Arch.

Perth Amboy, N. J.—The Porto Rican-American Tobacco Co. plans to erect a factory here. The plant and equipment will cost about $50,000. The general offices of the company are located at 17 Madison Ave., New York. Noted Aug. 27.

Buena Vista, Penn.—A corporation to be known as the Williams I. X. L. Tire & Rubber Co., capitalized at $300,000, has purchased a site and plans to build a plant here for the manufacture of automobile tires and commercial rubber articles.

Philadelphia, Penn.—The E. G. Burd Auto Body Co., has had plans prepared for the construction of a one-story, 275x360-ft. factory at 56th St. and Paschall Ave. Ballinger & Perrot are the Archs.

✚Edward D. Smith has awarded the contract for the construction of a two-story, 33x50-ft. factory, to CHARLES F. GRUBER. It will be erected on Cedar St. The estimated cost is about $10,000.

✚**Philadelphia, Penn.**—Benjamin Alexander has awarded the contract for the construction of a six-story warehouse at 205 North Broad St., to CRAMP & CO., Philadelphia. The estimated cost is $60,000.

Pittsburgh, Penn.—John Hermes will erect a garage on Hooper St., to cost $56,475.

The Liberty Baking Co., Houston St., has had plans prepared for the construction of a seven-story 50x55-ft. bakery. The estimated cost is $40,000. C. D. Cooley Co., Archs., Century Bldg., prepared the plans.

Plymouth, Penn.—The Atwood Silk Co., plans to erect a modern, fire-proof silk mill. It will be three stories, 50x250 ft. Lewis C. Atwood and Dayton, O., Atwood, Plymouth, are the owners.

Point Breeze (Philadelphia post office) **Penn.**—The Philadelphia Rendering Co., has had plans prepared for the construction of a one-story 40x100-ft. factory.

Reading, Penn.—Augustus W. Arnold, 634 Washington St., will receive bids for the construction of a three-story, 36x100-ft. factory. The estimated cost is $16,000. J. Earl Hickman, 119 South Fifth St. is the Arch.

Baltimore, Md.—Towsend Grace Co., Fayette St., is having plans prepared for an eight-story addition. Joseph Evans Sperry, 409 Calvert Bldg. is the Arch.

Baltimore, Md.—Bids will be received, until Oct. 15, by the United States Woolen Mills Co., 227 W. Fayette St., for the construction of a building, 69x157 ft., six stories and basement. Louis Levi, Philadelphia and Baltimore, is the Arch. Estimated cost, $80,000.

✚**Westport, Md.**—The Maryland Veneer & Basket Co., 309 East Falls Ave., has awarded the contract for the construction of three additions to its factory, to the FIDELITY CONSTRUCTION CO., 1709 West Lexington St., Baltimore.

Benwood, W. Va.—The Wheeling Steel & Iron Co., is having plans prepared for a one-story addition to its mills. The estimated cost is $100,000. F. H. Bowers, Wheeling, W. Va., is the Secy.

Fayetteville, Tenn.—It is reported that the Elk Cotton Mills has decided to erect a No. 2 mill which will cost $200,000, including equipment.

Loudon, Tenn.—Loudon Hosiery Mills is having plans prepared for a one-story, 62x168-ft. addition to its plant. The estimated cost is $15,000. H. L. Huntington, Chattanooga, is the Arch.

Akron, Ohio—The Mohawk Rubber Co., plans to erect an addition to its plant on Second and River St. The estimated cost is $15,000.

Cincinnati, Ohio—The Vienna Ice Cream Co. has acquired a site at 552 George St., where it plans to erect a three-story plant.

H. Fening & Son, manufacturer of iron forgings, West Sixth St., have bought the Eureka plant on the south side of Gest St., and will move their foundry to the new location.

✚**Cleveland, Ohio**—The Warren Refining Co., 1137 West Eleventh St., has awarded the contract for the construction of its three-story factory, to PAUL BROS., 615 Citizens Bldg. The estimated cost is $30,000. Ernest McGerge, Leader-News Bldg., is the Arch.

The National Telephone Supply Co., is having plans prepared for the construction of a factory on Superior Ave. and East 24th St.

✚The Atlantic Refining Co. has awarded the contract for the construction of additions to the MASTERS & MULLEN CONSTRUCTION CO., 454 Rose Bldg., Cleveland. The Osborne Engineering Co., prepared the plans.

✚The Hildebrandt Provision Co., 3616 Clark Ave., has awarded the contract for the construction of a two-story, 66x77-ft. addition to its plant to THE ANDERS CONSTRUCTION CO., 411 Champlain Ave., Cleveland. The estimated cost is $16,000.

The Brown Fence & Wire Co. has had plans prepared for the construction of a warehouse at 6532 Juniata Ave. The estimated cost is $40,000. The Buckeye Engineering Co. prepared the plans.

Coshocton, Ohio—The Beach Enameling Co., plans to erect a two-story addition to its factory.

✚**Hamilton, Ohio**—The Beckett Paper Co. has awarded the contract for the construction of a three-story addition to the CULLEN & VAUGHN CO., Hamilton.

Lakewood, Ohio—The Concrete Flooring Co. has had plans prepared for a one-story, 80x200-ft. factory to be erected on Cove Ave. The estimated cost is $20,000. W. S. Ferguson, 1900 Euclid 9ve., Cleveland, is the Arch.

Bay City, Mich.—The Fulton Mfg. Co., Chicago, Ill., has received an inducement to remove its plant to this city. Plans will be prepared for a 150x275-ft. factory.

Alton, Ill.—The Standard Oil Co. plans to spend $1,000,000 in extensions and improvements on its Wood River refining plant.

Chicago, Ill.—The Albert A. Arnold Paper Box Co., 16 South Peoria St., will receive bids for the construction of a four-story, 137x150-ft. factory. Postle & Fisher, 140 South Dearborn St. are the Archs.

The Central Mfg. Co., 1305 First National Bank Bldg., plans to build a five-story warehouse. The estimated cost is $250,000. S. S. Joy is the Arch.

George B. Limbert, has purchased a site at Fulton and Jefferson St., where a plant will be built.

B. Karoll, 768 Harrison St., plans to build a three-story factory on South Kedzie Ave., for the manufacture of metal specialties. The estimated cost is $30,000. D. S. Pentecost is the Arch.

Evansville, Ill.—The Midland Mirror Co., Salmanca, N. Y., plans to remove its plant to this city. William J. and Frank McGurk are interested.

Sterling, Ill.—The National Mfg. Co., will receive bids for the construction of a four-story, 48x90-ft. factory and office. Francis M. Harton, 178 West Jackson Blvd., is the Arch.

Des Moines, Iowa—The Green Foundry & Furnace Works has had plans prepared for a plant to be erected on a four-acre site in East Des Moines. The buildings to be erected are: Two-story, 66x200-ft. main building; one-story, 90x265-ft., foundry and machine shop; two-story, 40x120-ft. warehouse.

Minneapolis, Minn.—Bowman & Libby, Inc., distributors of Overland cars in the Northwest, plan to erect a three-story warehouse on Aldrich Ave., having a capacity of 1500 cars.

The Minneapolis Eastern Ry. Co. plans to erect a one-story roundhouse in this city.

Butte, Mont.—The Barnes-King Development Co. plans to erect a gold ore treatment plant on its Piegan-Gloster property.

✚**Seattle, Wash.**—William G. Barnes has awarded the contract to the LONG BUILDING CO., for the construction of a garage on Eighth Ave. The estimated cost is $35,000. Noted Aug. 27.

Seattle, Wash.—The Elbert Motor Car Co., incorporated by L. H. Beamish, Vancouver, B. C.; N. F. Wilson, San Francisco, Calif., and L. W. O'Connell, Chicago, Ill., plans to erect a plant here for the manufacture of cycle cars.

Benica, Calif.—Kullman, Salz & Co. plan to build a three-story addition, 85x125 ft., to their tannery. A. K. Salz is Pres.

Long Beach, Calif.—The South Coast Canning Co., plans to erect a packing plant 50x100 ft. on the south side of channel No. 2, Long Beach harbor, and a 50x400-ft. tuna cannery.

Los Angeles, Calif.—The Harbor Commission will construct two reinforced concrete warehouses at San Pedro Harbor. Each will be 150x160 ft. and four stories.

Orland, Calif.—J. A. Youngreen, J. Lundeen, H. H. Lundeen and G. C. Ladine plan erect a cheese factory in this city.

Niagara Falls, Ont.—Bids will be received for furnishing the roofing for the chain factory being erected by S. Austin & Sons, Cleveland, Ohio. The building will be two stories, 150x440 ft. and of reinforced concrete construction. The estimated cost is $150,000.

Windsor, Ont.—The Remington Arms Co. plans to build an addition to its plant estimated to cost $10,000.

FEDERAL GOVERNMENT WORK

✚**Raising Wreck**—Buffalo, N. Y.—The Light-House Inspector of the Tenth District, Buffalo, N. Y., has awarded the contract for raising the wreck of light vessel No. 82 to the REID WRECKING CO., Port Huron, Mich., at $19,500.

Post Office—Port Jervis, N. Y.—Bids were received as follows by Oscar Wenderoth Superv. Arch. Treasury Dept. Washington, D. C., for the construction of a post office at Port Jervis, N. Y. (a) limestone; (b) marble. James Di Penedetti, New York, N. Y. (a) $47,329, (b) $47,329; Lewis P. Fluhrer, New York, N. Y., (a) $57,596, (b) $57,746; Westchester Engineering Co., White Plains, N. Y., (a) $52,000, (b) $53,000; Kelly & Kelly Inc., Long Island, N. Y., (a) $56,900, (b) $57,100. W. H. Fissel & Co., New York, N. Y., (a) $54,161, (b) $54,861; William H. Egan, New York, N. Y., (a) $48,613, (b) $49,073; Dunn & Sheridan, New York, N. Y., (a) $50,739; Harriman Industrial Coöperative Co., Harriman, N. Y., (a) $51,580, (b) $52,075. The building will be one story, mezzanine and basement, 4800 sq.ft. ground area, partial fire proof construction, tin and composition roof. Noted Aug. 6.

✚**Lock Gates**—Troy, N. Y.—The contract for three sets of steel mica lock gates at the Troy lock, Hudson River, Troy, has been awarded to the KING BRIDGE CO., Cleveland, Ohio, at $21,382.

✚**Wiring Post Office**—Camden, N. J.—The contract for a conduit and wiring system, including lighting fixtures, etc., for the U. S. post office at Camden, has been awarded to the QUAKER CITY ENGINEERING CO., Philadelphia, at $4159. Noted July 30 and Aug. 27.

✚**Post Office**—Bedford, Penn.—The contract for the construction of the U. S. post office at Bedford, Penn., limestone, has been awarded to the W. H. FISSELL CO., 1133 Broadway, New York, N. Y., at $54,600. Noted July 16 and Sept. 3.

Locomotive Cranes—Philadelphia, Penn.—The following bids were received Sept. 12, by the Bureau of Yards and Docks for four 15-ton locomotive cranes, three for the Philadelphia Navy Yard, and one for the Navy Yard at Charleston, S. C.: Orton & Steinbrenner Co., Chicago, Ill., $23,812; Ohio Locomotive Crane Co., Bucyrus, Ohio, $23,922; the Industrial Works, Bay City, Mich., $25,000; McMyler Interstate Co., Bedford, Ohio, $25,160; Brown Hoisting Machinery Co., Cleveland, Ohio, $26,990; Exeter Machine Works, Pittston, Penn., $25,260; Browning & Co., Cleveland, Ohio, $23,995, plus $400 for radial arms; Link Belt Co., Chicago, $25,136, American Hoist Derrick Co., St. Paul, Minn., $30,078, alternate, $28,878.

Steel Sash and Frames—Washington, D. C.—The following bids were received Sept. 9 by the Assistant Secretary, Dept. of the Interior, Washington, D. C., for 104 steel window sash and frames with wired glass and operating devices for the Pension Office Building, Washington: Hecla Window Sill Co., 101 Park Ave., New York, N. Y., $9700; John A. Schneider Iron Co., Washington, D. C., $9050; Mesker Bros. Iron Co., St. Louis, Mo., $1977 additional for operators, 75c. per lin.ft.; David Lupton Sons & Co., Philadelphia, $2596; International Casement Co., Jamestown, N. Y., $6876; Detroit Steel Products Co., Detroit, Mich., $1769; Blake, Palm & Bro., Washington, D. C., $8890. Noted Sept. 3.

Sewage Plant—National Soldiers' Home, Va.—Bids will be received until 1:30 p.m., Sept. 24, by F. E. Skinner, Treas., Southern Branch, N. H. D. V. S., for the installation of a sewage purification plant.

★**Bituminous Coal**—Norfolk, Va.—Bids will be received until noon, Oct. 12 by Lieut.-Col. E. Eveleth Winslow, Corps Engrs., U. S. A., Norfolk, Va., for furnishing about 2000 tons bituminous coal.

Boilers and Stack—Port Royal, S. C.—Bids will be received until 11 a.m., Oct. 3, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., for two 50-hp. boilers, with steel stack, at the pumping station, Naval Disciplinary Barracks, Port Royal, S. C.

★**Stone**—New Orleans, La.—Bids will be received until 11 a.m., Oct. 14, by Maj. Edward H. Schulz, Corps Engrs., U. S. A., 325 Custom House, New Orleans, for about 65,000 tons of stone, to be placed on the jetties at Southwest Pass, Mississippi River.

Post Office—Portland, Ind.—Bids will be received until 3 p.m., Oct. 19, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (including mechanical equipment, lighting fixtures and approaches) of the U. S. post office at Portland, Ind. It will be one story and basement; 4350 sq.ft. ground area, first floor fireproof, brick and stone facing and composition roof.

Post Office—Holland, Mich.—Bids were received Sept. 9 as follows, for the construction of the U. S. post office at Holland, Mich. (a) limestone, (b) sandstone: General Construction Co., Milwaukee, Wis., (a) $74,768, (b) $81,418; R. S. Moore, LaFayette, Ind., (a) $69,271, (b) $75,354; Dyke & Osting, Holland, Mich., (a) $85,000, (b), $88,000; M. Yeager & Son, Danville, Ill., (a) $69,475, (b) $75,975; W. H. Shields, Danville, Ill., (a) $65,000; Clark, Jonkman & Clark, Holland, (a) $70,368, (b) $72,868; John G. Unkfer & Co., Minerva, Ohio, (a) $65,540, (b) $69,040; George W. Stiles Construction Co., Chicago, Ill., (a) $65,138; A. W. Lane, Chicago, (a) $76,995; William O'Neil & Sons Co., Faribault, Minn., (a) $69,133; Charles Hoertz & Son, Grand Rapids, Mich., (a) $65,421, (b) $71,600. The building will be two stories and basement, stone facing, partial fireproof construction and composition roof; ground area, 6170 sq.ft. Noted July 30.

Elevator—McAlester, Okla.—Bids for the installation of an electric passenger elevator in the U. S. post office at McAlester, were received from the Kaestner & Hecht Co., Chicago, Ill., at $3800, and the Otis Elevator Co., New York, N. Y., at $3939. Noted Aug. 27.

✚**Boilers**—Las Animas, Colo.—The contract for four 100-hp. water-tube boilers for the central power plant at Las Animas, Colo., has been awarded to the INDUSTRIAL HEATING & ENGINEERING CO., Milwaukee, Wis., at $13,400. Noted July 16.

Water Heater—Las Animas, Colo.—Bids will be received until 11 a.m., Oct. 3, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., for a feed-water heater at the Naval Hospital, Las Animas, Colo.

Lumber—Seattle, Wash.—Bids will be received until 11 a.m., Sept. 24, by Col. George B. Davis, Depot Quartermaster, Seattle, for furnishing at Seattle or Tacoma, Wash., or other Puget Sound ports, Portland, Ore., San Francisco, Calif., or other Pacific coast ports accessible to vessels of deep draft, or Manila, P. I., about 506,333 ft., b.m., of lumber.

✚**Portland Cement**—Portland, Ore.—The Secretary of the Interior has authorized the Reclamation Service to award a contract for 10,000 bbl. of portland cement, f.o.b. cars, Irvin, Wash., to the INTERNATIONAL PORTLAND CEMENT CO., Irvin, Wash., at $1.15 per bbl., for use in the Umatilla irrigation project, Ore.

Coal Platform and Flume—San Diego, Calif.—Bids will be received until 11 a.m., Oct. 10, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., for an extension to coal platform and flume at the Naval Coal Depot, San Diego.

Engines—San Francisco, Calif.—Bids will be received until 2 p.m., Sept. 29 by the Light House Inspector, San Francisco, for duplicate internal combustion engines, with direct-connected air compressors, about 30-hp each.

✚**Buildings**—Pearl Harbor, Hawaii—The contract for the construction of five industrial buildings at the Naval Station, Pearl Harbor, has been awarded to the LORD-YOUNG ENGINEERING CO., Honolulu, H. T., at $60,975. List of bidders noted Aug. 20.

Steel—Philippine Islands—Bids will be received until noon, Sept. 28, by Col. S. W. Roessler, Corps Engrs., U. S. A., Room 707, Army Bldg., New York, N. Y., for furnishing structural steel for the Philippine Islands.

MISCELLANEOUS

Gymnasium—Worcester, Mass.—The Worcester Polytechnic Institute is having plans prepared for a gymnasium to cost $100,000. It will be three stories and basement.

Playgrounds—New Haven, Conn.—The city plans to construct playgrounds from Humphrey St. to Orange St., along Mill River. Bonds for $100,000 will be issued to purchase the site.

✚**Lock**—Albany, N. Y.—Duncan W. Peck, State Supt. Pub. Wks., has awarded the contract to the RIVERSIDE CONTRACTING CO., 39 Cortlandt St., New York, for constructing a new lock in the Shinnecock-Peconic Canal, Suffolk County, at $38,366.

Barge Canal Work—Albany, N. Y.—Bids will be asked soon by Duncan W. Peck, State Supt. Pub. Wks., Albany, for power plants, electric equipment and machinery for operating and lighting Locks Nos. 1, 2, 3 and 4, Cayuga and Seneca Canal. Estimated cost, $176,087.

✚**Stable**—Buffalo, N. Y.—The Crandall Horse Co., 949 William St., Buffalo, will construct a stable. It will be one story, 104x167 ft. Estimated cost, $15,000. H. P. Kehr, 315 Mutual Life Bldg., Buffalo, is Arch.

Barge Canal Terminal—Meding, N. Y.—Duncan W. Peck, State Supt. Pub. Wks., Albany, N. Y., plans to award the

contract in the fall for the proposed barge canal terminal at Medina.

Dredging—New York, N. Y.—(Official)—(Borough of Brooklyn)—Bids will be received by L. H. Pounds, Borough Hall, until Sept. 17, for dredging a section of Newtown Creek and Gowanus Canal. The work involves about 20,000 cu.yd. of dredging scow measurement.

Subway—New York, N. Y.—(Borough of Brooklyn)—Bids will be received until Oct. 6, by the Public Service Commission, 154 Nassau St., Manhattan, for constructing the proposed subway section to connect the Lexington Ave. subway and the present Fourth Ave. subway.

★**Subway**—New York, N. Y.—(Official)—Bids were received by the Public Service Commission, 154 Nassau St., Borough of Manhattan, on Sept. 15, for constructing Sect. 21, Route 48, the Park Place, William and Clark St. subway, a part of the Seventh Ave.-Lexington Ave. rapid transit railroad. The unofficial totals are as follows: Smith, Hauser & McIsaac, Inc., New York, $2,911,000; Rapid Transit Subway Construction Co., 165 Broadway, New York, $2,268,000; Holbrook, Cabot & Rollins Corporation, $2,465,000; F. L. Cranford, Inc., $2,325,000; Underpinning & Foundation Co., New York, $2,-269,000; Oscar Daniels Co., New York, $3,377,000.

Elimination of Grade Crossing—(Subway)—Rochester, N. Y.—The Board of County Supervisors, Rochester, plans to construct a subway under the tracks of the R. W. & O. Ry. to eliminate the grade crossing at Forest Lawn. Estimated cost, $52,000.

Enlarging Pond—Atlantic City, N. J.—(Official)—Bids were received Sept. 10, by the city, for enlarging Doughty Pond. The bids follow: Sutton & Corson, $253,916; Atlantic Construction & Supply Co., $203,597; American Paving & Construction Co., $174,014; Charles L. Eastburn Co., $162,822; Merrill-Ruckgaber Co. (incomplete bid); E. L. Bader Co., Atlantic City, $151,504. The work calls for 30,000 cu.yd. of embankment, 24,100 sq.ft. of steel sheet piling, 20 cu.yd. cement grout, 24,100 lin.ft. of wood stripping, 1577 cu.yd. of concrete in spillway, 1000 lb. reinforcing steel, 59 expansion bolts, 15 cu.yd. concrete, wood stave collar; 2575 cu.yd. concrete in core wall, 13,000 ft. B. M. lumber, bridge from bank to intake, 800 lin.ft. of piling in spillway found, 9000 ft. B. M. lumber in spillway found, 27 acres (submerged) of cleaning, 250 acres of grubbing, 36,000 sq.ft. of concrete lining, new intake screen chamber, 100 cu.yd. of concrete, not in plans; 100 cu.yd. of excavation, not in plans; 500 lb. of steel rods, not in plans; 5000 ft. B. M. lumber, not in plans.

★✚**Dock**—Newark, N. J.—The contract has been awarded to O'GARA & McGUIRE, INC., by the city for constructing the proposed dock in the bayfront at the mouth of Peddie Ditch, at $449,398. Noted Aug. 20 and Sept. 10.

★**Dredging**—Newark, N. J.—Bids were opened Sept. 3 by the Board of Street and Water Commissioners for dredging about 7000 lin.ft. of the channel now being dredged by the city in Newark Bay. The Atlantic Gulf & Pacific Co., New York, submitted the lowest bid, at $421,452. Noted Aug 27.

★**Vault Equipment**—Trenton, N. J.—(Official)—Bids will be received until noon, Oct. 6, by Edward I. Edwards, State Controller, Trenton, for vault equipment in the office of the Secretary of State.

✚**Fire Station**—Union, N. J.—The town has awarded the contract to LIMOUZE BROS., 410 Park Ave., Union, for constructing a two-story fire station, at $15,000. Noted Aug. 13.

✚**Coal and Ash Plant**—Philadelphia, Penn.—(Official)—The contract has been awarded by the Bureau of Water, Dept. of Pub. Wks., to R. H. BEAUMONT, Drexel Bldg., Philadelphia, for a coal and ash handling plant at the Belmont Pumping Station, at $12,344.

✚**Iron Fence**—Philadelphia, Penn.—(Official)—The Bureau of Water, Dept. Pub. Wks., has awarded the contract to BERKE BROS., Randolph and Wood Sts., Philadelphia, for constructing an iron fence around George's Hill Reservoir, at 89c. per lin. ft.

Fire Station—Philadelphia, Penn.—Plans are being prepared by E. A. Crane, City Arch., for the construction of a fire station. The building will be two stories and basement, 90x150 ft. Estimated cost, $40,000.

✚**Concrete Bins, Trestles**—Steelton, Penn.—(Official)—The Pennsylvania Steel Co., Steelton, has awarded the contract to the RAYMOND CONCRETE PILE CO., 140 Cedar St., New York, and 111 West Monroe St., Chicago, Ill., for the design and construction of concrete ore, coke and limestone bins, and ore and yard trestles. The work calls for several thousand concrete piles and a large yardage of concrete construction.

Excavation and Filling—Baltimore, Md.—Bids for the excavation and filling in of 225,000 cu.yd. of earth at the approaches of the new Hanover St. bridge and along the Baltimore County shore, where the span will run, were opened Sept. 1, by the State Roads Commission. There were 29 bids on the work. The lowest bidder was the Tuck Construction Co., Roanoke, Va., at 24.4c. per cu.yd. making a total of $54,-900. The engineer's estimate was 35c. per cu.yd. or a total of $78,750.

✚**Fountain**—Baltimore, Md.—The Board of Awards has awarded the contract to the DAVID M. ANDREW CO., 26th St. and Mount Vernon Ave., Baltimore, for constructing a fountain at Guilford Ave. and Fallsway, at about $10,000.

Stable—Baltimore, Md.—J. C. Speddon, Arch., 1640 Hanover St., Baltimore, is preparing plans for a stable for the Slack & Slack Co., York Road, Baltimore. Estimated cost, about $10,000.

Gymnasium—Lexington, Va.—Washington University, Lexington, is receiving bids for the construction of a gynmasium to cost $80,000. It will be three stories and basement, 83x200 ft. Flournay & Flournay, Wilkins Bldg., Washington, D. C., are Archs.

Drydock, Etc.—Norfolk, Va.—The W. E. Thomas Co., Norfolk, plans to construct a floating drydock and marine railway. Estimated cost, $150,000.

Wharves and Docks—Miami, Fla.—The Southern Utilities Co., Miami, plans to construct wharves and docks at the foot of Ave. D.

Pier—Biloxi, Miss.—The city is considering the construction of a pier in the western section. Estimated cost, $10,000.

Fire Apparatus—Gulfport, Miss.—The city plans to purchase fire apparatus. E. W. Wells is City Clk.

✚**Levee Work**—Vicksburg, Miss.—The contract has been awarded to A. K. AMACKER, Lake Providence, La., for 100,000 cu.yd. of levee enlargement on Waxhaw Levee.

Levee—New Orleans, La.—The Orleans Levee Board will ask for bids soon for constructing a new levee in the vicinity of the Naval Station, calling for 45,000 cu.yd.; also for levee enlargement, calling for 70,000 cu.yd. and clearing and cleaning a large section of the levee above the city.

✚**Walls**—Memphis, Tenn.—See item under Streets and Roads.

Fire Station—Akron, Ohio—The city is having plans revised for the construction of a central fire station. It will be three stories, 60x90 ft. Estimated cost, $40,500. Bids received recently were rejected. Fichter & Brooker, Second National Bank Bldg., Akron, are Archs.

Stable—Bellbrook, Ohio—Bids will be received until noon, Sept. 23, by the town for constructing a stable. W. Tate is Clk.

✚**Cement**—Cincinnati, Ohio—The PORTLAND CEMENT CO. has been awarded contract for 15,000 bbl. of portland cement to be used in the building to be erected by the Methodist Book Concern.

✚**Fencing**—Cincinnati, Ohio—The Hospital Commission have awarded the contract to the ENTERPRISE IRON WORKS, Indianapolis, Ind., for fencing around the hospital grounds on Burnet Ave., at $14,570.

✚**Revetment Wall**—Columbus, Ohio—John T. Miller, State Supt. Pub. Wks., Columbus, has awarded the contract to ARPP & SIMPSON, Middletown, Ohio, for constructing a revetment wall at Indian Lake.

Ship Canal—Geneva, Ohio—It is reported that surveys are being made for constructing the proposed canal from Lake Erie to the Ohio River.

Retaining Wall—Lebanon, Ohio—Bids will be received until 11 a.m., Sept. 21, by John M. Mulford, County Audr., Lebanon, for constructing a retaining wall with piling foundation and guard rail.

✚**Ore Docks**—North Randall, Ohio—The Erie R.R. Co. has awarded the contract to the PATTERSON & MORAN CO., for enlarging its ore dock at North Randall.

Equipment—Springfield, Ohio—Bids will be received until noon, Oct. 3, by F. L. Allen, Secy. Tuberculosis Hospital Trustees, Springfield, for refrigeration and laundry equipment.

✚**Grandstand**—Wooster, Ohio—The University of Wooster has awarded the contract to the HUNKIN-CONKEY CO., 321 Cuyahoga Bldg., Cleveland, for constructing a grandstand, 43x105 ft., at $50,000.

Fire Station—Bloomington, Ind.—The city plans to construct a fire station to cost $40,000. It will be two stories and basement. Horace Blakely is City Clk.

Natatorium—Chicago, Ill.—Bids will be received by the West Chicago Park Commissioners, until Sept. 22, for constructing a natatorium. James B. Wibelka, 29 South La Salle St., Chicago, Ill., is Arch.

Field House—Chicago, Ill.—Plans have been completed by the architect of the North West Side Park Commissioners for the construction of a field house. The structure will be of reinforced concrete, two stories and basement, 50x275 ft. Estimated cost, $50,000.

Bath-house—Chicago, Ill.—The South Park Board of Commissioners is having plans prepared for a bath-house to be constructed at 26th and Wentworth Aves. John F. Neil is Secy.

Road Machinery—Freeport, Ill.—O. G. Hinely, County Supt. of Highways plans to purchase road machinery.

Levee Work—Naples, Ill.—The River and Lakes Commission has awarded the contract to P. J. MURPHY, Moberly, Mo., for raising and enlarging the levees in the vicinity of Naples, at 13.7c. per cu.yd.

✚**Fire Apparatus**—Milwaukee, Wis.—The city has awarded contracts as follows for fire apparatus: To the SEAGRAVE CO., Columbus, Ohio, for one combination pumping engine and hose wagon, at $9350; to the AHERNS-FOX FIRE ENGINE CO., Cincinnati, Ohio, for one combination truck, at $8750.

Retaining Wall—Davenport, Iowa—The Davenport Park Commission plans to construct a retaining wall along the riverfront. J. A. Ryan is City Engr.

✚**Ditch**—Hampton, Iowa—The Commissioners of Hardin and Franklin Counties have awarded the contract to CHRIS HAGSTAD, Nevada, Iowa, for constructing joint ditch No. 4, at $13,800. The contract for tile work was awarded to the WHEET CLAY PRODUCTS CO., at $22,185.

Ditch—Slayton, Minn.—Bids will be received until 10 a.m., Sept. 22, by W. A. Seeman, County Audr., Slayton, for constructing judicial ditch No. 2. The work calls for 19,800 ft. of main ditch, and 47 branches and laterals, aggregating 94,275 ft. Estimated cost, about $50,000.

✚**Fire Station**—Virginia, Minn.—The city has awarded the contract to J. P. DONAHUE, Virginia, for constructing a fire station addition, at about $17,000. It will be two stories, of brick. C. K. Shand, First National Bank Bldg., Virginia, is Arch.

Ditch—Talmage, Neb.—Otoe and Johnson Counties plan to construct a drainage ditch in Otoe and Johnson Drainage District No. 1. Shannon & Schwader, Nebraska City, Neb., are Engrs.

Park Improvement—Aberdeen, S. D.—The Park Board plans to spend $14,000 to improve the parks.

Drainage District—East Waco, Tex.—The County Commissioners, Waco, have established a drainage district in East Waco.

Wharf—Houston, Tex.—The city plans to construct a wharf and warehouse at the turning basin. Estimated cost, $200,000. Frank L. Dormant is City Engr.

Ditches—Houston, Tex.—Bids will be received until 10 a.m., Sept. 21, by H. L. Washburn, County Audr., Houston, for constructing ditches along Lowell and 27th Sts., Houston.

Dock Extension—Orange, Tex.—The Southern Pacific Co. plans to extend its dock at Orange, 240 ft. William Hood, San Francisco, Calif., is Ch. Engr.

Dam—Salt Lake City, Utah—The City Engineer has submitted plans to the State Engineer for a dam 69 ft. high and 630 ft. long, to be constructed below Twin Lakes, at the head of Big Cottonwood River.

Fire Apparatus—Puyallup, Wash.—The city is considering an issue of $10,000 in bonds for the purchase of fire apparatus.

✚Cement—Seattle, Wash.—Bids were received, Aug. 27, by the Port of Seattle Commission for 15,000 bbl. of cement. The contract has been awarded to the BALFOUR-GUTHRIE CO., Seattle, at $1.90 per bbl.

✚Excavation, Etc.—Seattle, Wash.—The Port of Seattle Commission has awarded the contract to the PUGET SOUND BRIDGE & DREDGING CO., Central Bldg., Seattle, for excavation and slope protection for wharf No. 2, at about $75,000.

✚Cold Storage Equipment—Seattle, Wash.—The Port of Seattle Commission has awarded to the VILTER MFG. CO., at $33,490 the contract for installing cold storage equipment in central water-front warehouse to be built here.

✚Excavation and Rock Work—Seattle, Wash.—The PUGET SOUND BRIDGE & DREDGING CO., Seattle, at $79,000 have received the contract for excavation and rock work for the fruit wharf and warehouse on East Waterway.

Repairs to Vessel—Seattle, Wash.—The Canadian Pacific Ry. Co. has asked for bids for repairs to the steamship "Princess Victoria," damaged in a recent collision with the "Admiral Sampson." The work will cost about $20,000, and includes the renewing or removing, repairing and return to the steamer of eleven plates, and a new stem bar.

Vessel—Seattle, Wash.—The Inland Navigation Co. will build a 16-knot passenger vessel to ply between Kingston and Ludlow. The boat will cost $25,000. Bids will be asked soon.

Dredging—Seattle, Wash.—The Commissioners of Pierce County, Tacoma, and King County, Seattle, plan to dredge the Puyallup River seven feet deeper from Puyallup, Wash., to the city limits of Tacoma, Wash. Estimated cost, $125,000.

River Work—Tacoma, Wash.—All bids submitted for excavation in the Stuck River Improvement Project have been rejected by the County Commissioners of King and Pierce Counties. The work will be readvertised. Estimated amount, 3,000,000 cu.yd.

Oil Tanks—Hood River, Ore.—The Standard Oil Co. plans to construct oil tanks at Hood River.

Dredging—Portland, Ore.—The Port of Portland Commission plans to purchase a strip of Swan Island and dredge a channel 1000 ft. long and 30 ft. wide.

Barn—Portland, Ore.—C. C. Rich, City Arch., will ask fo bids soon for a $50,000 municipal barn to be erected at 15th & Jefferson Sts. The building will be two stories, of concrete and stone.

Waterfront Improvement—Alameda, Calif.—The city is considering water-front improvements to cost $200,000. George E. Plummer is interested.

Docks and Buildings—San Diego, Calif.—The Kelp Products Co., San Diego, plans to construct docks and buildings at San Diego. Percy T. Hannigan, U. S. Grant Hotel, San Diego, is local representative.

✚Pier—San Francisco, Calif.—The Board of State Harbor Commissioners has awarded the contract to the HEALY-TIBBETS CONSTRUCTION CO., San Francisco, for constructing Pier 37, at $204,300. Bids were opened Sept. 3.

Snow Sheds—Truckee, Calif.—The Southern Pacific Co. plans to reconstruct 7000 ft. of snow sheds near Truckee. Estimated cost, $80,000. W. Hood, San Francisco, Calif., is Ch. Engr.

Pier—Venice, Calif.—The Maier Amusement Co. has been incorporated for the purpose of constructing an amusement pier at Venice. L. P. Collette, Venice, is interested.

Rink—Antigonish, N. S.—The St. Francis Xavier Athletic Association, Antigonish, will erect a skating rink. It will be two stories, 110x50 ft. Estimated cost, $35,000. C. W. West, Antigonish, is Arch.

✚Wharf—Hatfield, N. S.—The Canadian Government has awarded the contract to W. R. FAWCETT, Temperance Vale, N. B., for constructing a wharf at Hatfield Point.

✚Fire Apparatus—Toronto, Ont.—The city has awarded the following contracts for motor fire apparatus: To HUGH CAMERON & CO., Toronto, representing the Waterous Co., Brantford, Ont., for one pumping engine, at $10,500; two combined engines and hose wagons, to the WHITE CO., at $7674 each.

Docks—Winnipeg, Man.—Plans have been prepared for the construction of docks at River and Notre Dame Aves. Estimated cost, $200,000. H. M. Ruttan is City Engr.

Lighthouse—Bonilla Island, B. C.—Bids will be received until Sept. 21, by the Department of Marine and Fisheries, Ottawa, Ont., for constructing a lighthouse on Bonilla Island.

✚Dikes, Etc.—Sea Island, B. C.—The contract has been awarded to J. W. PYKE, Sea Island, for constructing dikes and flood boxes for reclamation work on Sea Island, at $24,465.

The C. & C. Electric & Mfg. Co., Garwood, N. J., manufacturer of electric motors, generators and electric arc welding equipment, announces the removal of its Detroit offices from 144 Seyburn Ave., to 1111 Chamber of Commerce Bldg. Mr. R. K. Slaymaker will be in charge.

..BUILDINGS

Boston, Mass.—Plans have been completed by J. J. Smith, Arch., for the one story theater and store building to be erected on School St. The cost is estimated at $80,000. Noted Sept. 3.

✚Cambridge, Mass.—Contracts for the erection of the Germanic Museum, on Kirkland St., have been awarded as follows: General contract, W. H. & H. A. ROOT, 1 Beacon St., Boston, Mass.; structural iron, G W. & F. SMITH IRON CO., Gerard St., Roxbury, Mass.; reinforced concrete, SIMPSON BROS. CO., 166 Devonshire St.

✚Plymouth, Mass.—Contracts for the erection of the three-story and basement, 56x145-ft. building, for the Jordan Memorial Hospital, have been awarded as follows: General contract, S. P. TROY CO., 88 Broad St., Boston, Mass.; fireproofing, PENN TILE CO.

Worcester, Mass.—Plans are being prepared by Hewitt & Brown, Archs., 716 Fourth Ave. S., Minneapolis, Minn., for the three-story and basement gymnasium for the Polytechnic Institute, Worcester. The estimated cost is $100,000.

✚Contracts for the four-story and basement Y. M. C. A. building, to be erected on Main St., have been awarded as follows: General contract, NORCROSS BROS. CO., Worcester; heating, WALWORTH, ENGLISH & FLETT CO., 10 Pearl St., Boston, Mass.

Frost & Chamberlain, Archs., Slater Bldg., have completed plans for the building to be erected for the Worcester Boys Club.

Worcester, Mass.—(Office)—Bids will soon be received by George C. Halcott, Supt. of Pub. Bldgs., for constructing the 12-room school at Rice Square. The estimated cost is $60,000. John T. Simpson, Essex Bldg., Newark is the Arch.

Providence, R. I.—Plans have been completed by K. C. Richmond, Arch., for the Second ward police station, to be erected on Sessions and Wayland Ave. It will be three stories, of brick. J. H. Gainer, Mayor, is Chn. of Com. on Contract and Supply.

✚Greenwich, Conn.—The general contract for the erection of the school at Hamilton Ave. has been awarded to H. E. SENFT; electric work, JUSTUS & RICH, both of Greenwich.

Albany, N. Y.—Bids were received by the Board of Contract and Supply for erecting schools as follows: School No. 18, Peter Keeler Building Co., $64,833, John Dyer Jr., $67,890, M. Kantrowitz, $68,000; school No. 16, J. B. Waldbillig, $44,564; W. S. Hamill Co., $46,000, M. L. Ryder Building Co., $46,695.

Buffalo, N. Y.—Clark, MacMullen & Riley, Engrs., 101 Park Ave., New York, are preparing plans for the erection of a brick and stone freight and passenger station. The estimated cost is $500,000.

Buffalo, N. Y.—Plans are being prepared by Louis R. J. Eckel, 191 York St., for a two-story and basement brick building for the Knights of Pythias. The estimated cost is $50,000.

✚Deposit, N. Y.—The general contract for the erection of the three-story and basement high school, 139x125 ft., has been awarded to FORD & VAN NESS, Oswego, N. Y.; structural iron, to SHAPLEY & WELLS, Binghamton, N. Y. The estimated cost is $60,000.

New York, N. Y.—Plans are being prepared by Maynicke & Francke, Archs., 25 East 26th St., for the five-story store and loft building to be erected at 120 West 41st St. for the West 40th and 41st St. Realty Co. The estimated cost is $40,000.

(Borough of Brooklyn)—Plans have been completed by Montrose W. Morris, Arch., 234 Hancock St., for a six-story hotel at Dean St. and Bedford Ave. for Louis F. Seitz. The estimated cost is $300,000.

Rensselaer, N. Y.—Plans are being revised by Robert D. MacPherson, 207, Arkay Bldg., Albany, N. Y., for a three-story dormitory, at Lawrence and Herrick Sts., for the Convent of Mercy. The estimated cost is $50,000.

Rochester, N. Y.—The Delmar Garden Co. is having plans prepared for a one-story theatre on Culver Road. The estimated cost is $50,000. Rees & Ade, 344 East Ave., are the Archs.

✚Schenectady, N. Y.—The contract for erecting a three-story building for the Delta Phi Fraternity, has been awarded to P. M. SIMMONS, Johnstown, N. Y.

Walden, N. Y.—F. E. Estabrook, Arch., 75 Second St., Newburgh, has completed plans for the erection of a three-story brick municipal building, 100x90 ft. The estimated cost is $55,000.

Bayonne, N. J.—John H. and Wilson C. Ely, Archs., Firemen's Bldg., Newark, have completed plans for the erection of a two-story stone city hall on Ave. C between 27th and 28th Sts. The estimated cost is $400,000. Noted Aug. 20.

Hackettstown, N. J.—William W. Rasmussen, Arch., 1123 Broadway, is preparing plans for an addition and remodeling the school, for the Board of Education. The estimated cost is $75,000.

Newark, N. J.—The lowest bids received by the Board of Education for the erection of the high school have been received as follows: Masonry, P. L. Mackinson, $50,365; carpentry, Trivett & Walters, $19,400; steel and iron, Beaver Engineering & Construction Co., $13,300; roofing, Newark Cornice & Sky Works, $1949; heating, E. G. Woolfolk & Co., Inc., $14,777.

Plainfield, N. J.—Plans have been completed by Wilder and White, Archs., 50 Church St., New York, for the erection of a school on Evergreen Ave. The estimated cost is $125,000.

✚Chester, Penn.—The contract for the construction of the church for the Ridley Park Presbyterian Church has been awarded to the POMEROY CONSTRUCTION CO., at $40,000.

✚Milton, Penn.—The contract for the erection of a school building at Milton, has been awarded to FINK & SEIDEL, Berks Trust Bldg., Reading, Penn. The estimated cost is $45,000.

✚**Philadelphia, Penn.**—Contracts for the erection of the Frankford high school have been awarded as follows: Construction, EDWARD F. FONDER, $508,900; heating and ventilating, S. FAITH & CO., $82,597 and $5997, respectively; electrical work, W. G. CORNELL CO., $39,390. Noted Aug. 6.

✚**Pittsburgh, Penn.**—The contract for the erection of the McKelvey school at Bedford Ave. and Erin St., has been awarded to the DAWSON CONSTRUCTION CO. Noted Aug. 13.

✚**Scranton, Penn.**—The contract for the erection of a ten-story bank and office building, for the Union National Bank, has been awarded to CHARLES T. WILLIS, INC., 286 Fifth Ave. The estimated cost is $200,000. Noted July 30.

Warren, Penn.—Bids will be received until Oct. 1, by C. C. & A. L. Thayer, Archs., New Castle, Penn., for an addition to the hospital at Warren. The estimated cost is $40,000.

Waynesboro, Penn.—(Official)—The Y. M. C. A. will erect a building to cost about $70,000. The Building Committee will soon call for bids on the work.

Wilmington, Del.—Bids have been received by the New Castle County and Wilmington Building Commissions, for the concrete work in connection with the construction of the municipal building at Tenth and French St. as follows: J. S. Hamilton, A, $83,449; B, $96,392; Hermans Maddens & Co., A, $83,400; B, $92,546. Conners Bros. Co., A, $91,051; B, $115,051; C, $89,136. P. H. Kelly, A, $74,197; B, $84,386; Talley & Syfrit, A, $84,964; B, $96,264; C, $79,933. Noted Aug. 13.

Washington, D. C.—Bids will be received about Oct. 1, by the District Commissioners, for the erection of a three-story and basement high school on First St. between N and O Sts., N. W. The estimated cost is $550,000.

Alexandria, Va.—Bids will be received until Sept. 24, by the Joint Commission on City Property and Schools, for the erection of a high school on Cameron and West Sts. The estimated cost is $50,000.

Athens, W. Va.—Bids will be received until Oct. 8, by J. S. Lakin, Pres., State Bd. of Control, Charleston, W. Va., for the construction of an auditorium, and the installation of a heating plant at the Concord School. H. Rus Warne, Charleston, W. Va., is the Arch. Noted June 11.

✚**Wheeling, W. Va.**—The contract for concrete piling for foundation of the building at Wheeling, for F. F. Faris, Wheeling, has been awarded to the RAYMOND CONCRETE PILE CO., 140 Cedar St., New York.

Savannah, Ga.—Plans are being prepared by H. W. Witcover, Arch., Savannah, for the erection of a ten-story hotel, 60x90 ft., for Robert M. Hicks. The estimated cost is $260,000.

★**West Palm Beach, Fla.**—(Official)—Bids will be received until Oct. 6 by R. H. Rosseau, Chn., Palm Beach County Comr., for a three-story and basement court house to be erected at West Palm Beach. The estimated cost is $180,000. W. B. Talley is the Arch., 315 St. James Bldg., Jacksonville. Noted May 7.

Montevallo, Ala.—Bids will be received about Sept. 25, by William T. Warren, Arch., Empire Bldg., Birmingham, for the erection of a three-story, 150x80 ft. science building, for the Alabama Girls Technical Institute. The estimated cost is $60,000. Noted Aug. 14.

Meridian, Miss.—Bids will be received until Sept. 22, by P. J. Krouse, Arch., Meridian, for the city hall to be erected at Meridian. The estimated cost is $100,000.

Alexandria, La.—Bids will be received until Oct. 1, by D. B. Showalter, Secy. Bd. of Rapides Parish, for a three-story school. The estimated cost is $125,000. Favrot & Livaudais, New Orleans, La., are the Archs. Noted Aug. 20.

Memphis, Tenn.—Jones & Furbringer, Archs., Porter Bldg., Memphis, are completing plans for the temple of the Congregation of Israel. The estimated cost is $150,000. Noted Aug. 13.

The lowest bids received for the erection of the Prescott school were those of J. A. Fincher, Memphis at $54,000 for non-fireproof construction, and F. D. Young & Son, Memphis, at $68,976 for fireproof construction. Jones & Furbringer, are the Archs. Porter Bldg. Noted Aug. 13.

✚**Cleveland, Ohio**—The contract for the construction of the addition to the German Hospital, Franklin Ave., has been awarded the STRIMPLE CONSTRUCTION CO. Estimated cost about $50,000.

Plans have been completed and bids will be received by W. S. Lougee, Marshell Bldg., Cleveland, for the construction of brick and tile office buildings and a boat terminal at the foot of East Ninth Ave. for the Detroit & Cleveland and the Cleveland & Buffalo Navigation Co. Estimated cost $500,000.

Ironton, Ohio—The Ironton Hotel Co. has had plans prepared for the construction of a hotel to cost about $150,000. Howard & Merriman, Columbus, are the Archs.

Rittman, Ohio—All bids received Aug. 14 from erecting a high and grade school have been rejected. New bids will be called for in December. R. E. Faber is Clk., Bd. of Education. Noted Aug. 13.

✚**Springfield, Ohio**—The Memorial Hall Commission has awarded the contract for the erection of the proposed building to A. BENTLEY & SONS, Toledo, at $198,762.

Indianapolis, Ind.—Bids will be received, until Sept. 22, by Otto Wolf, Secy., Wigwam Hotel, 316 Indian Trust Bldg., for the construction of an auditorium, Red Mens Lodge and hotel. The building will be eleven stories, 67x137 ft. Estimated cost, $250,000. Charles R. Weatherhog, Hamilton Bank Bldg., Fort Wayne, Ind., is the Arch.

Jeffersonville, Ind.—The Board of Education has approved plans submitted for a school to be erected at 42d and Herman St. The estimated cost is about $75,000.

✚The Board of Education has awarded the contract for erecting the school on Duncan St., to THOMAS & WHITTON, at $47,218.

Iron River, Mich.—Bids will be received about Sept. 15, by the City Clerk, for the erection of a town hall. The estimated cost is about $54,000. Allan & Curtis, Saginaw, Mich., are the Archs.

Chicago, Ill.—Kusel & Harris, 30 North La Salle St., are having plans prepared for a 125x125-ft. office and hotel building. The estimated cost is $100,000. R. C. Harris, 30 North La Salle St., is the Arch.

Fond du Lac, Wis.—The State Board of Control, Madison, Wis., Ralph E. Smith, Pres., has secured a 243-acre site for the State Women's Reformatory. Plans are being prepared for an administration building, $60,000; dormitories, $80,000; heating and power plant, $15,000, and laundry, $10,000. A. D. Conover, Arch.

✚**Ottumwa, Iowa**—The First National bank has awarded the contract for the erection of its bank building to the BLACK HAWK CONSTRUCTION CO. The estimated cost is $65,000. E. Jackson Casse, 53 West Jackson Blvd., Chicago, Ill., is the Arch.

✚**Duluth, Minn.**—The contract for the erection of the Harriet Beecher Stowe School has been awarded to JACOBSON BROS., Duluth, at $52,725.

Moorhead, Minn.—The State Board of Control, Downer Mullen, Secy., St. Paul, will receive bids, until Sept. 22, for the erection of a library and class room addition to the State Normal School. The estimated cost is about $100,000. C. L. Pillsbury, Metropolitan Life Bldg., Minneapolis, is the Arch.

Windom, Minn.—The Southwestern Minnesota Tubercular Assn. has purchased a site in this town where it plans to erect a hospital to cost about $75,000.

Atchison, Kan.—The Alumni Association, St. Benedict's College, plans to erect a building to be known as Wolf Hall. The estimated cost is $50,000.

Ashland, Neb.—The Nebraska National Guard plans to build an armory here for the seven companies of the state organization. The estimated cost is $50,000.

✚**Norfolk, Neb.**—The contract for the erection of the hospital for the insane has been awarded to W. J. CREEDON, Omaha, at about $50,000.

Miller, S. D.—Preliminary steps are being taken for the erection of a court house to cost about $75,000.

BARGE CANAL WORK, ALBANY, N. Y.

Bids were received Aug. 25 by Duncan W. Peck, State Supt. Pub. Wks. for Barge Canal Contract 46-A, constructing Erie Canal from Fox Ridge to the Montezuma Aqueduct, and Contract 125, Erie Canal Sect. 2, constructing Visschers Ferry Road viaduct over the Troy-Schenectady branch of the New York Central R.R., from (A) James Stewart & Co., Inc., New York; (B) Sherman Stalter Co., Cleveland, Ohio; (C) New York State Dredging Corporation, Rochester; (D) Great Lakes Dredge & Dock Co., Buffalo; (E) Eastover Construction Co., Utica; (F) Kinser Construction Co., East St. Louis, Ill.; (G) Maryland Dredging & Contracting Co., Baltimore, Md.; (H) Merrill-Ruckgaber Co., New York; (I) Frank L. Cohen, Buffalo; (J) Drake & Dean Co., Inc., Buffalo; (K) Walsh Construction Co., Davenport, Iowa; (L) Whitehead & Kales Iron Works, Detroit, Mich.; (M) Ford & Green, Schenectady; (N) State Highway Construction Co., Boston; (O) Lupfer & Remick, Buffalo; (P) Keith & Guthrie, Schenectady. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L
Cofferdams, pumping, bailing, and draining (lump sum)	$6300	$3000	$5600	$5300	$5600	$2400	$5600	$6700	$50.00	$5600	$4000	$4500
27,400 cu.yd. excavation	0.70	0.60	0.65	0.75	0.61	0.75	0.50	0.46	0.75	0.62	0.60	0.45
25 M. ft. b.m. sheeting and bracing	50.00	50.00	40.00	50.00	50.00	50.00	45.00	50.00	50.00	50.00	50.00	50.00
1276 cu.yd. lining	1.50	1.50	1.50	1.50	1.20	1.50	1.25	1.50	1.50	1.50	1.50	1.50
8500 lin.ft. foundation piles	0.30	0.35	0.30	0.30	0.30	0.35	0.20	0.25	0.30	0.30	0.30	0.25
2066 cu.yd. second-class concrete	7.00	8.80	7.00	7.00	8.00	8.00	8.00	8.00	7.50	7.50	7.00	7.00
240 cu.yd. first-class reinforced concrete	13.00	13.00	14.00	13.00	15.00	14.00	14.00	10.00	14.00	14.00	12.00	14.00
45,200 lb. metal reinforcement	0.035	0.035	0.03	0.035	0.034	0.035	0.03	0.03	0.035	0.03	0.03	0.025
100 sq.yd. cobblestone gutter	0.75	0.75	0.75	0.75	1.00	0.75	0.75	0.75	0.75	0.75	0.75	0.70
2572 lin.ft. wooden fence	0.25	0.25	0.25	0.25	0.30	0.30	0.30	0.25	0.25	0.25	0.25	0.25
2872 sq.ft. concrete sidewalk	0.25	0.18	0.25	0.20	0.20	0.25	0.25	0.25	0.16	0.25	0.20	0.20
780,000 lb. structural steel	0.0415	0.038	0.04	0.04	0.042	0.0354	0.039	0.041	0.0354	0.0425	0.0425	0.042
9900 lb. c.i. pipe	0.03	0.03	0.03	0.03	0.03	0.03	0.025	0.03	0.03	0.03	0.02	0.025
452 lin.ft. lattice railing	1.75	2.00	1.75	1.75	1.90	2.00	1.75	1.75	2.00	2.00	1.75	1.90
4270 sq.yd. bituminous macadam pavement	3.00	2.40	2.50	2.40	2.30	3.00	3.00	2.50	2.25	2.75	2.50	3.00
1620 lin.ft. concrete curb	0.80	0.65	1.00	0.75	0.75	1.00	0.75	0.70	0.80	0.80	1.00	1.00
270 lin.ft. concrete header	0.80	0.65	1.00	0.70	0.60	1.00	0.65	1.00	0.75	0.80	0.50	1.00
740 sq.yd. asphalt block pavement	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
6 oil signal lamps	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Removing existing highway bridge (lump sum)	250.00	200.00	500.00	350.00	200.00	50.00	10.00	200.00	250.00	500.00	500.00	300.00
30 cu.yd. removing existing masonry	7.00	7.00	7.00	7.00	7.00	7.00	5.00	7.00	7.00	7.00	5.00	6.00
Maintaining navigation (lump sum)	500.00	500.00	1200.00	800.00	300.00	50.00	150.00	100.00	250.00	1000.00	1000.00	600.00
Maintaining highway traffic (lump sum)	300.00	250.00	500.00	400.00	300.00	500.00	400.00	500.00	500.00	500.00	500.00	400.00
1150 lin.ft. raising or shifting railroad tracks	0.05	0.85	1.00	0.15	1.00	1.50	0.10	0.575	1.50	1.00	1.50	1.50
Extended totals	$101,461	$95,722	$99,471	$99,463	$99,509	$99,742	$94,583	$94,615	$97,302	$102,484	$98,158	$95,700

Sioux Falls, S. D.—The Board of Education has appropriated $47,000 for the erection of a school building on the East side.

St. Louis, Mo.—The following were the lowest bids for the construction of the Bryan-Mullanphy School at Kelm and Shaw Ave.: (General Contract) Murch Bros. Construction Co., $173,990. (Building complete.) Wharton Building & Supply Co., St. Louis, $232,400.

Rogers, Ark.—The Benton County Hardware Co. is having plans prepared for a four-story building to be erected at Second and Elm St. The estimated cost is $50,000.

El Paso, Tex.—The El Paso School Board is having plans prepared for a high school to cost about $500,000. Trost & Trost, Mills Bldg., El Paso, are the Archs.

Colorado Springs, Colo.—The Board of Trustees, International Typographical Union, John C. Daley, Supt., contemplates building an addition to the Home. Estimated cost about $120,000.

+Denver, Colo.—The contract for the erection of the Colorado National Bank has been awarded to SEERIE BROS., Denver. The estimated cost is $500,000. Noted Sept. 3.

Plans are being prepared by Gove & Walsh, Archs., Denver, for the construction of a building for the Young Women's Christian Association, to cost about $150,000.

Seattle, Wash.—Sears, Roebuck & Co., First Ave., has had plans completed for a nine-story reinforced-concrete addition, estimated to cost about $850,000. G. G. Nimmons, Peoples Gas Bldg., Chicago, Ill., is the Arch.

Bids will soon be received for erecting the Ballard High School. Estimated cost, $300,000. Edward Blair is the Arch. Noted Feb. 12.

Tacoma, Wash.—Plans are being prepared by C. Frere, Arch., Henry Bldg., Seattle, Wash., for a four-story lodge for the Tacoma Elks' Hall Association, at an estimated cost of $100,000.

+La Grange, Ore.—The contract for the construction of a club house for the Elks' Club has been awarded to PALMER & ELLISON, Portland. Estimated cost $60,000. Noted July 2, Sept. 10.

+Los Angeles, Calif.—J. W. Robinson Co. has awarded the contract for the construction of the seven-story block at Seventh and Grand St., to C. J. KUBACH. The estimated cost is $1,000,000. Noonan & Richards are the Archs.

W. J. Pearson, Exchange Bldg., plans to erect a 13-story hotel at Tenth and Hope St.. Estimated cost, $800,000. Train & Williams, 226 Exchange Bldg., are the Archs.

Monterey, Calif.—The B. P. O. E. plans to erect a $40,000 lodge in this city.

Santa Barbara, Calif.—Andrew Carnegie has given $50,000 toward a fund for the erection of a public library in this city.

Montreal, Que.—Warren and Westmore, Archs., New York, N. Y., have prepared plans and will receive bids in a few weeks for a station to be erected for the Canadian Northern Ry. Co. Estimated cost $250,000.

Guelph, Ont.—Bids will soon be received for erecting the building for the Physics Department at the Ontario Agricultural College. Estimated cost, $50,000. Dr. Creelman is Principal.

Hamilton, Ont.—Stewart & Wilton, 2 Hughson St., will receive bids for the erection of the Homewood School, until Sept. 17th. Estimated cost, $100,000.

+Toronto, Ont.—The contract for the masonry on the Central High School has been awarded to R. ROBERTSON & CO., Toronto, at $92,682. Noted June 11.

Vancouver, B. C.—It is reported that the Vancouver Civic Center Commission will receive plans, until Nov. 30, for the construction of a Civic Center building. The estimated cost is $1,000,000.

FOREIGN TRADE OPPORTUNITIES

Where addresses are omitted they may be obtained from the Bureau of Foreign and Domestic Commerce, Department of Commerce, and its branch offices.

N. 13627. Railway Material—A company organized by merchants in one of the principal cities in Asia desires catalogs from American manufacturers of railway material, according to a letter received at the Bureau of Foreign and Domestic Commerce from one of the foreign legations at Washington. This company was organized with a view to purchasing American goods direct.

No. 13631.. Motor Trucks—An American consul telegraphs from one of the European countries stating that an American located in his district desires prices immediately from reliable manufacturers in the United States for all available 1 to 3 ton motor trucks, delivered. Prices should be cabled to the address given in the report.

No. 13632.. Scientific Instruments—The Bureau of Foreign and Domestic Commerce is in receipt of a letter from a foreign legation in Washington stating that a company organized by merchants in a city of one of the Asiatic countries desires catalogs and other information from American manufacturers of all kinds of scientific instruments. This company is organized to purchase several lines of goods direct from the United States.

War Rates for New York Funds

War Rates for New York Funds—Early in the year, the City of New York voted to foreign financial interests about $100,000,000 in short-time securities. These were payable in gold in London and Paris to raise funds for paying the loan a syndicate of New York bankers bought new warrants bearing 6% interest.

A condition of the loan was that improvements authorized by the city during 1915, which are not self-sustaining, are to be paid for 25% from taxes and 75% by the issue of 1- to 15-yr. corporate stock. Improvements authorized during 1916 will be paid for 50% by sale of serial stock; during 1917 they will be met by 75% from the budget and 25% by serial stock, and in 1918 the full cost of such improvements will be met from taxes.

The securities to be issued by the city will be dated Sept. 1, 1914, and $57,000,000 in the form of corporate stock notes will mature Sept. 1, 1915; $43,000,000 in revenue warrants will mature, $18,000,000 Sept. 1, 1916, and $25,000,000 Sept. 1, 1917. They will be delivered to the subscribing banks at once and payment will be made to the city by crediting to its account the amount of the bank's subscription. Of the $57,000,000 one-year corporate stock notes, Comptroller Prendergast stated, $35,000,000, which are for self-sustaining improvements, will be refunded by 50-year stock, and the remaining $22,000,000 refunded by the new 1- to 15-year serial stock to be retired out of taxes at their maturity. The Comptroller said the only way the city could secure any gold at this time, to pay its maturing obligations, was to get all the banks to coöperate.

Mayor Mitchel said that he took measures to find out if gold could be secured by the city from the Federal Government, but found that it was impossible to get gold from that quarter. The Comptroller said this confirmed his earlier experience in the same matter. The Comptroller said he realized this plan will result in an increase in the tax rate and will restrict improvement work.

Henry P. Davison, of J. P. Morgan & Co., said: "I consider it a great thing that anybody should be able to raise $100,000,000 in times of stress like these. The success of the loan was due to the patriotism of the banks of the city."

A shipment of $5,000,000 in gold was made Sept. 13 by J. P. Morgan & Co., to the newly established branch of the Bank of England at Ottawa, Ont.

INTERCEPTING DRAIN, FALL RIVER, MASS.

Bids were received Sept. 4 by the Reservoir Commission for constructing a reinforced concrete intercepting drain and appurtenances from (A) Hanscom Construction Co., Boston, Mass.; (B) William H. Arthur, Stamford, Conn; (C) T. Stuart & Son Co., Newton, Mass.; (D) Bruno & Petitti, Boston, Mass.; (E) Mason, Hilton & Co., New York, N. Y.; (F) Fred T. Ley & Co., Inc., Springfield, Mass.; (G) Leo E. Kelly, Inc., Brooklyn, N. Y.; (H) The Whiting, Turner Contracting Co., Baltimore, M. D.; (I) Chauncey H. Sears, Fall River, Mass. The item bids were as follows:

	A	B	C	D	E	F	G	H	I
55,000 cu.yd. excavation, Classes A and B (top-soil and general earth)	$0.68	$0.50	$0.70	$0.90	$1.15	$0.67	$1.00	$1.70	$0.88
2000 cu.yd. excavation Class C (drain below subgrade)	1.00	0.60	1.00	1.50	1.25	1.17	0.75	2.00	1.20
4500 cu.yd. excavation, Class D (solid rock)	3.00	4.00	3.00	3.00	2.50	3.51	4.25	3.00	3.50
17,000 cu.yd. borrowed earth fill	0.45	0.40	0.40	0.60	0.60	0.41	0.20	0.53	1.00
800 cu.yd. crushed stone and gravel filling, in place	1.75	2.50	1.25	2.00	1.50	2.34	2.75	2.00	2.95
18,000 cu.yd. surface dressing	0.55	0.55	0.70	0.50	0.60	0.70	0.60	0.63	1.35
25 sq.yd. sodding	0.75	1.50	0.50	2.00	0.50	0.29	0.80	0.50	0.85
650 cu.yd. plain concrete masonry	8.00	7.00	6.75	7.75	7.00	9.36	8.00	8.50	6.50
7100 cu.yd. reinforced concrete masonry	8.00	10.50	10.50	8.75	9.00	11.18	9.00	8.50	11.98
10 cu.yd. brick masonry	20.00	15.00	15.00	15.00	15.00	14.04	18.00	15.00	12.00
22 cu.yd. ashlar masonry	30.00	20.00	24.00	30.00	25.00	17.55	40.00	60.00	10.00
50 cu.yd. rubble masonry and paving	6.00	7.50	5.00	4.50	7.00	5.85	8.00	6.50	6.00
30 cu.yd. rubble masonry and paving laid dry	5.00	5.50	3.50	3.00	5.00	4.68	6.00	3.00	4.00
1500 cu.yd. riprap, in place	4.00	3.00	1.25	2.00	2.00	2.93	1.00	2.50	3.00
100 lin.ft. granite curbing, in place	1.00	1.10	1.25	1.50	1.00	1.17	1.50	1.50	2.45
150 sq.yd. granite block paving	3.50	3.50	2.65	2.50	3.50	4.10	2.00	3.00	3.50
1930 lin.ft. vitrified pipe, in place; 24-in. pipe	1.15	0.85	1.15	2.00	1.50	1.17	2.50	1.20	1.98
50 lin.ft. vitrified pipe in place; 18-in. pipe	0.76	0.50	0.80	1.50	1.00	1.10	2.00	0.84	1.00
150 lin.ft. vitrified pipe, in place; 12-in. pipe	0.50	0.40	0.60	1.00	0.50	0.72	1.00	0.45	0.85
50 lin.ft. vitrified pipe, in place; 10 in. pipe	0.40	0.30	0.50	0.50	0.30	0.49	1.00	0.37	0.80
30 lengths vitrified pipe slants set into the drain, 12-in. pipe	1.00	1.00	1.25	2.00	2.00	1.75	3.00	1.41	1.65
10 lengths vitrified pipe slants set into the drain, 18-in. pipe	1.50	1.25	3.00	3.00	5.00	2.94	6.00	2.70	2.70
3 lengths vitrified pipe slants set into the drain, 24-in. pipe	2.50	2.50	5.00	4.00	9.00	4.80	10.00	2.30	4.50
500 lengths 3-in. tile drain pipe, set into drain	0.25	0.10	0.10	0.25	0.10	0.13	0.50	0.30	0.20
27,000 lb. w.i., c.i. and steel in place	0.04	0.04	0.05	0.05	0.04	0.058	0.0325	0.05	0.0285
890,000 lb. twisted or deformed steel reinforcing bars for concrete	0.03	0.025	0.035	0.035	0.03	0.035	0.05	0.03	03 0.00
12 M. ft. b.m. lumber, in place	60.00	50.00	50.00	30.00	50.00	46.80	35.00	60.00	45.
1000 lin.ft. piles, driven in place	0.50	0.50	0.40	0.50	0.30	46.80	0.50	0.45	0.68
Cleaning up (lump sum)	500.00	2400.00	1000.00	5000.00	100.00	2340.00	10.00	10.00	1500.00
Extended totals	$173,834	$179,473	$193,787	$201,359	$204,480	$206,207	$216,597	$236,973	$239,963

Contracts to Be Let

Bids received until Sept. 21, 1914.

Garbage Reduction Plant

Sealed proposals for furnishing machinery and equipment for a Garbage Reduction Plant to be located near the City of Detroit, Michigan, addressed to the Department of Public Works of the City of Detroit, will be received at the office of the Commissioner, City Hall, Detroit, until 10:00 o'clock A.M. on the twenty-first day of September, 1914.

Separate proposals, in duplicate, shall be submitted for each of the following items:

A. Boilers and Stokers.
B. Engines and Generators.
C. Boiler Feed Pumps.
D. Feed Water Heater.
E. Air Compressor.
F. Engine Room Crane.
G. Locomotive Crane.
H. Coal and Ash Handling Equipment.
I. Repair Shop Equipment.
J. Green Garbage Cranes.
K. Conveying Machinery.
L. Cooking and Pressing Equipment.
M. Grease Handling Equipment.
N. Evaporating Equipment.
O. Drying Equipment.
P. Percolating Equipment.
Q. Railroad Track Scales.
R. Railroad Garbage Cars.

Bidders submitting a proposal including two or more items shall submit a proposal for each item.

Each bid shall be accompanied by a certified check in the sum of not less than ten (10) per cent. of the amount of the bid, payable on its face to the Department of Public Works of the City of Detroit, as surety for the acceptance of the contract.

The accepted bidder shall furnish two bonds each in a sum equal to the full amount of the contract.

Proposals shall be made i naccordance with the specifications prepared by and on file in the office of Smith, Hinchman & Grylls, Consulting Engineers, 710 Washington Arcade, Detroit, Michigan. Copies of these specifications may be secured upon application to the Consulting Engineers.

The Commissioner reserves the right to reject any or all proposals.

GEO. H. FENKELL,
Commissioner.

Bids received until Oct. 6, 1914.

Vault Equipment

NOTICE TO CONTRACTORS.

Trenton, N. J.

Sealed proposals will be received at the office of the Comptroller, in the State House, Trenton, New Jersey, at twelve o'clock noon, October 6th, 1914, for furnishing for vaults in the office of the Secretary of State, in accordance with plans and specifications on file in the office of the Commissioner of Charities and Corrections, State House, Trenton, New Jersey.

Each bidder must accompany his proposal with a certified check for ten per centum of the amount of his proposal, payable to his order, properly endorsed, which will be returned to the unsuccessful bidder immediately following the award of the contract. The Commission reserves the right to reject any or all bids.

The successful bidder will be required to enter into a contract for the performance of the work with a bond of an approved security company for not less than one-half the amount of the contract price.

Proposals must be enclosed in envelopes sealed and marked "PROPOSALS FOR FURNISHING FOR VAULTS IN THE OFFICE OF THE SECRETARY OF STATE, TRENTON, NEW JERSEY," and addressed to the Comptroller, Hon. Edward I. Edwards, Secretary of the State House Commission.

Bids received until Sept. 28, 1914.

Construction, Structural Steel, Heating, Plumbing, etc.

NOTICE TO CONTRACTORS. Sealed proposals for construction, structural steel, heating, plumbing and electric work for the Drill Hall, Cornell University, Ithaca, N. Y., will be received by the Hon. E. L. Williams, Cornell University, Ithaca, N. Y., until Monday, Sept. 28, 1914, 4 P.M., when they will be opened and read publicly. Bids will be received for each division of the work separately and no combination of bids will be considered. Proposals shall be accompanied by certified check in the sum of five per cent. of the amount of bids, and the contractors to whom the awards are made will be required to furnish surety company bonds in the sum of fifty per centum of the amount of contract, within thirty days after official notice of award of contract, and in accordance with the terms of the specifications Nos. 1965, 1966, 1967 and 1968. The right is reserved to reject any or all bids. Drawings and specifications may be consulted and blank forms of proposals obtained at the office of the Treasurer, Cornell University, at the Department of Architecture, Capitol, Albany, N. Y., at the New York Office of the Department of Architecture, Room 1224 Woolworth Building, New York City. Plans nd specifications will be ready Tuesday, Sept. 8, 1914. In applying for plans and specifications each bidder must state which part of the work, (such as construction, structural steel, heating, plumbing and electric work) he intends to bid on. Drawings and specifications may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon deposit of certified check in the sum of $15.00 for construction work or structural steel, nd in the sum of $10.00 for each set of heating, plumbing or electric plans, which check will be returned if plans and specifications are sent back in good order to the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

Contractors

BIDS OPENED OCTOBER 6, 1914

for the construction of Section No. 1 of Route No. 43 and Section No. 1 of Route No. 26, being the diagonal connection under 42nd Street between the existing subway and the Lexington Avenue subway.

Call or write concerning contract, plans and specifications.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT,
154 Nassau Street, New York City.

Bids received until Sept. 19, 1914.

Boilers

NOTICE TO CONTRACTORS. Sealed proposals for new boilers at Potsdam Normal School, Potsdam, N. Y., will be received by Dr. Thos. E. Finegan, Asst. Commissioner for Elementary Education, Education Building, Albany, N. Y., until 12 o'clock noon on Saturday, September 19, 1914, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect and shall be accompanied by a certified check in the sum of five per cent. of the amount of bid, and the contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent. of the amount of contract within thirty days after official notice of award of contract and in accordance with the terms of specification No. 2033. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the New York office of the Department of Architecture, Room 1224, Woolworth Building, at the office of the Department of Architecture, Capitol, Albany, N. Y., and at the Potsdam Normal School, Potsdam, N. Y. Drawings and specifications may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.